



**INSTITUTE OF HUMAN BEHAVIOUR
AND ALLIED SCIENCES
DELHI - 110095**



**Annual Report
2015-16**



ANNUAL REPORT 2015-16

**INSTITUTE OF HUMAN BEHAVIOUR AND ALLIED SCIENCES
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FROM THE DIRECTOR'S DESK

The Hospital for Mental Diseases, Shahdara was converted to 'Institute of Human Behaviour and Allied Sciences (IHBAS) by a Supreme Court order in response to a public interest litigation in 1993. Since then IHBAS has come a long way in its journey of transforming custodial care setting to modern neuropsychiatric institute and today is one of the largest super specialties tertiary care centres in Delhi dedicated exclusively to neuropsychiatric and behavioural illnesses.

The institute is progressing steadily to achieve its objectives, which are:

- I. To provide high quality super specialty health care using state-of-art technology in mental health, neurosciences, behavioural and allied sciences
- II. To conduct research of high standard in the field of mental health, neurosciences and behavioural sciences
- III. To provide comprehensive training for MD, DM, M Phil and Ph D courses in field of mental health, neurosciences and behavioural sciences and research activities on current interest

Strengthening of different departments of the institute with a view to improve the quality of services has been our constant endeavour and this was further emphasized and strengthened with introduction of National Accreditation Board for Hospital and Healthcare providers (NABH) in IHBAS. The NABH process for quality assurance and the guidelines further helped the faculty and

staff to improve their understanding to match the quality standards for patient care.

Today it is the privilege for us as an institute to share that NABH accreditation was accorded to IHBAS in 2012 and the institute was reaccredited in 2015. This is a significant milestone achieved by the institute a part of the larger picture of expansion and quality assurance of health services in Delhi. Starting from a Hospital for Mental Diseases, IHBAS today is a specialty hospital in the combined fields of mental health and neurosciences with active outpatient services, emergency care and ICU services with a fairly complex mosaic of services on the identified theme of "Brain-Mind Problems and Their Solutions". The hard work of the faculty and staff has made IHBAS the first and only specialty neuroscience and mental health hospital across Government or private sectors in the country to get NABH accreditation and at the same time to sustain it. In addition to NABH, institute has participated in the Kayakalp programme which is a National Health Mission programme launched by Ministry of Health and Family Welfare, Government of India.

IHBAS as an apex neuropsychiatric institute has been continuously working to expand the patient care services beyond the hospital based care to community. This has been achieved through the community outreach services in various parts of Delhi, the awareness campaigns, active liaison with the NGOs, user and carer groups, RWAs and sensitization programme to facilitate involvement of the various stakeholders. In addition community oriented programmes, programmes for school children such as poster competition, workshops, symposia were organised to increase the awareness about positive mental health for prevention of neuropsychiatric illnesses and the facilities available at the institute.

IHBAS as an institute was fortunate enough to be provided a thorough appraisal by National and International organizations and agencies that visited the institute during 2015-16.

It is worth appreciating that the faculty of IHBAS besides contributing towards the patient care, teaching and administrative duties, is also actively involved in the research both in the basic and applied fields.

Various academic activities were undertaken in the institute during the current year. The teaching and training for MD (Psychiatry), DM (Neurology), M.Phil. (Clinical Psychology) and the undergraduate and post graduate student teaching in Clinical Psychology, Psychiatric Social work and Psychiatric nursing continued. This report gives a description of the achievements made by the institute in different fields during the year 2015-16.

Dr Nimesh G Desai
Director

Activities at IHBAS

- **Brain awareness week**
- **Mental health awareness Week**
- **World no tobacco Day Programme**
- **Epilepsy Week**
- **Stroke Awareness week**
- **Dementia Day**

Academic Programme at IHBAS

- **DM(Neurology)**
- **MD(Psychiatry)**
- **M.Phil(Clinical Psychology)**

Vision

The vision of Institute of Human Behaviour and Allied Sciences is to be one of the leaders in the country and in the world for promoting mental health, neurosciences, behavioural and allied sciences through multidisciplinary patient care in partnership with communities, developing future group of professionals and paraprofessional leaders through formal and semiformal training programmes and expanding scientific knowledge and its application through frontline research.

Mission

The mission of Institute of Human Behaviour and Allied Sciences is to advance the mental and neurological health of populations by practicing evidence based multidisciplinary scientific health care approaches that are novel, adaptive, and ethical, conduct research of high standard and develop human resource in these fields. The institute adheres to quality assurance, integrating into practice the prevailing norms for human rights and diverse value systems of persons and populations while accomplishing this mission.

Quality policy statement

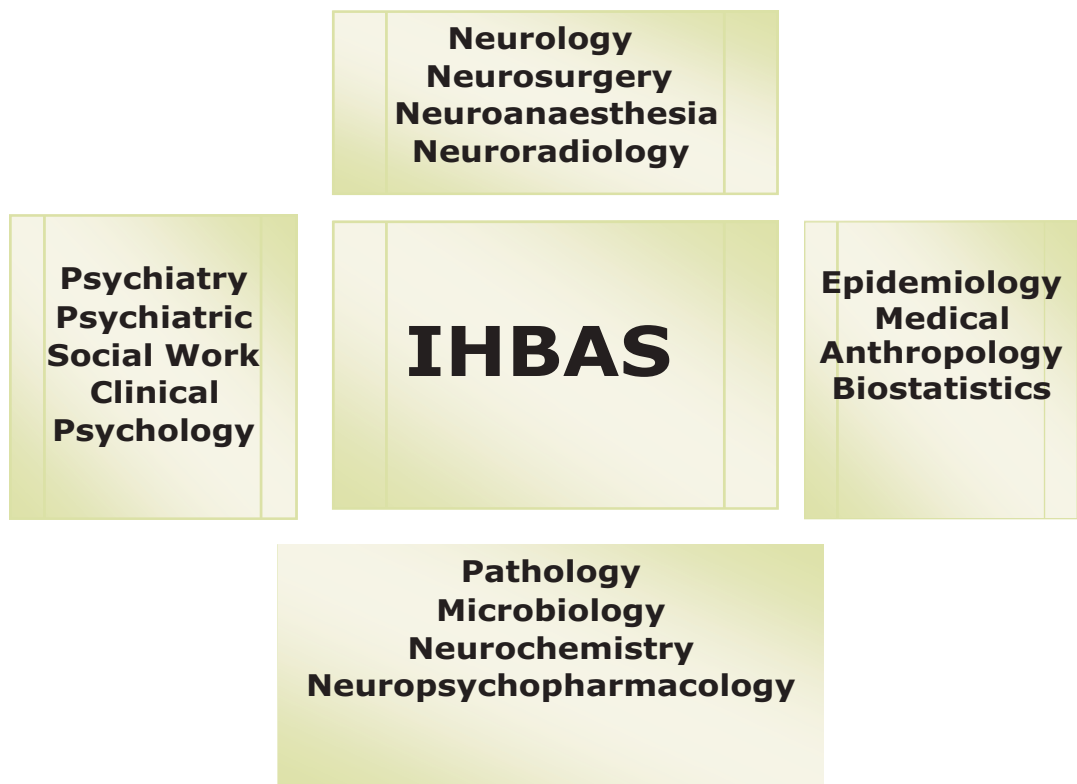
IHBAS is committed to provide Health Care par excellence. This would be achieved through:

- Complying with National and International Quality standard
- Working within the framework of Regulatory requirement
- Up gradation of Technology and Facilities on regular basis
- Training the manpower in the relevant discipline
- Continuous Quality improvement, and
- In the process, striving to enhance both staff and user satisfaction level

Aims and Objectives

- To provide high quality super specialty health care using state-of-art technology in mental health, Neurosciences, Behavioural and Allied sciences.
- To conduct research of high standard in the field of mental health, Neurosciences and Behavioural sciences.
- To provide comprehensive training for MD, DM, M. Phil. & Ph.D courses in field of mental health, Neurosciences and Behavioural sciences and research activities on current interest.

These activities are carried out through a multidisciplinary approach by the faculty and staff of the following departments:



Institute at a
Glance

Institute at a glance

Institute of Human Behaviour and Allied Sciences is one of the largest super specialties tertiary care centres in Delhi for dealing with psychiatric and neurological illnesses, to intervene in neurosurgical problems with equal emphasis on teaching, training and research. Institute provides holistic care to patients through multidisciplinary approach where patients are attended on by a team of experts. It involves not only patient care but also includes rehabilitation, educating caregivers and the community. The following is an account of patient care services provided by IHBAS during this year.

HOSPITAL SERVICES

Out Patient Services

The institute is one of the largest tertiary care centres for neuropsychiatric diseases in North India. In the calendar year 2015, 479279 patients availed the outpatient services comprising of 71597 new and 407682 follow - up cases. There was a 14% increase in the total number of patients attending OPD as compared to the patients who availed the services last year. Around 58% of the new cases were from Delhi and the rest from the neighbouring states (see figure below). On an average, 1614 patients attended the OPD per day, of which 1373 patients were old and 241 were new cases.

There are eleven registration counters in the OPD block to reduce the waiting time including counters for senior citizens and disabled patients, jail and court cases, female patients and the patients from the staff.

Specialty Services

Apart from routine OPDs in the morning hours, special clinics are conducted in the afternoon for patients who require special attention and comprehensive approach for different disorders.

- **Child and Adolescent Psychiatric Clinic:** This clinic is held every Monday to provide services to the psychiatric and behavioural problems in children up to 16 years of age as well as counselling for school-related problems. During the year, 9901 children and adolescents attended the Child and Adolescent Psychiatric Clinic (CAPC). As and when required, parents are also involved in the treatment of their wards. Child counselling services are a regular feature of this clinic.
- **Mental Retardation Clinic:** This multidisciplinary clinic was started in December, 1999 and is held on every Wednesday afternoon. Information regarding medical, family and social needs of the mentally retarded children is imparted to their parents by organizing special parent training programmes. The clinic also meets the need of such children for certification, required for special schooling and disability benefits. In the current year, total of 11438 patients availed the services through this clinic.
- **Marital and Psychosexual Clinic:** This clinic is held every Friday afternoon to offer services to the patients suffering from psychosexual and marital problems. Patients are jointly managed by psychiatrists and clinical

psychologists. A number of patients attending the services have sexual misconception or myths; they respond well to sex education and counselling. Other common disorders include impotence and premature ejaculation. Various treatment modalities are used such as medication, counselling and behaviour therapy. In the current year, total of 1417 patients availed the services through this clinic.

- **Tobacco Cessation Clinic:** This clinic is part of a national tobacco cessation initiative by the Ministry of Health and Family Welfare, Government of India, and the World Health Organization. The Institute was recognized as the national coordinating and resource centre for the project. This clinic is held on Monday, Wednesday and Friday afternoon. On an average, 7-8 patients are evaluated by a multidisciplinary team. The patients are offered both, pharmacological and non-pharmacological support, with emphasis on counselling and behavioural management. This year 610 patients utilized the services of the clinic.
- **Neurobehaviour Clinic:** This clinic is held every Friday afternoon. This clinic deals with patients, especially the elderly, who have cognitive and behavioural abnormalities. Such patients are evaluated by a team of neurologists, psychiatrists, clinical psychologists and psychiatric social workers. Besides giving medical treatment to the patients, special attention is given to the care givers to improve their understanding of the nature of the disease. They are guided to take better care of the patients and themselves. The

ultimate goal of the support group meeting and the multidisciplinary team is to impart awareness and coping skills to patients with dementia and their families. During the current year 841 patients attended this clinic.

- **Drug Abuse Treatment Clinic:** This clinic is held every Wednesday and Friday afternoon. It provides service to the patients with problems of drug abuse and alcoholism. This clinic is attended by the patients abusing smack (heroin), alcohol, cannabis (bhang, ganja, etc.) The majority of patients come on their own or are brought by their family members. Such patients are evaluated and treated by a multidisciplinary team composed of psychiatrists, clinical psychologists and psychiatric social workers. 7888 patients attended this clinic during the year. The patients are admitted for four to six weeks for comprehensive indoor treatment depending of the clinical and psychosocial needs.
- **Movement Disorder Clinic:** This clinic is held every Wednesday afternoon. Services are provided to patients suffering from movement disorders like Parkinson's disease, dystonia, progressive supranuclear palsy, tremors etc. Advance treatment like botulinum toxin injections are given to the patients with focal dystonia. 1160 patients attended the clinic during this year.
- **Epilepsy Clinic:** This clinic is held every Tuesday afternoon. It is conducted for chronic epileptic patients, children and women with epilepsy. Special attention is given

to these groups of patients in order to manage their epilepsy and psychosocial problems, and to improve their awareness. Epilepsy support groups are formed in which these patients interact with each other about their psycho social problems, and they are guided by the clinical psychologists and psychiatric social workers. 1307 patients attended the clinic during the current year. The endeavour, essentially, is to remove the stigma and reduce the treatment gap in epilepsy.

In - patient Services

The total numbers of sanctioned beds in IHBAS are 500. The current number of functional beds is 347. The distribution of beds in various departments is as follows:

- Department of Psychiatry 271 beds
- Department of Neurology 54 beds
- Department of Neurosurgery 22 beds

In the year under report, the total number of patients admitted was 3935. Of these, 1081 patients were admitted from OPD and 2854 through emergency.

Emergency Services

The Institute offers 24-hour emergency services in both Psychiatry and Neurology. Senior residents from Psychiatry and Neurology are on call round-the-clock. 35366 patients availed the emergency services during the year under report. In addition to the clinical emergency services,



emergency laboratory is providing its services since its inauguration on 7th May 2010. Various haematological and biochemical tests are being performed in the emergency laboratory.

Diagnostic Services

The Institute has well equipped laboratories providing specialized facilities including intra-operative reporting of CNS tumours, histopathology reporting of CNS tumours, muscle and nerve biopsies, Real time Polymerase Chain Reaction (RT-PCR) for estimation of HIV viral load and Mycobacterium tuberculosis genome in cerebrospinal fluid, therapeutic drug monitoring, biochemical investigations for inborn errors of metabolism and electrophysiological tests in addition to routine diagnostic investigations.



Radiology services in the form of CT Scan, Colour Doppler, Digital Subtraction Angiography, Ultrasound and X-Ray.



Community Outreach Services

In an effort to enhance community awareness of psychiatric and behavioural disorders, community outreach programmes have been under taken to deliver the neuropsychiatric services to the doorstep of patients. The community outreach services helps to create awareness in the public regarding neuropsychiatric disorders and remove the stigma and myths associated with mental illness.

Community outreach services were held regularly in the year of assessment (2015-16) at Jahangir Puri and Chattarpur, and mobile health clinic for homeless near Jama Masjid. There was an overwhelming response with 3114 patients attending the Jama Masjid clinic. At Jahangir Puri, 11266 patients attended, while 6432 patients attended the outreach clinic at Chattarpur village. From these outreach clinics, further outreach has been initiated at Missionaries of Charity at Majnu ka Tila, Bhatti mines and Sudinalaya which is an NGO - run centre at Ashram. A large number of psychiatric disorders are managed at these community services. The common problems reported by the patients attending these services include depression, anxiety depression, obsessive compulsive disorders, other anxiety disorders, dissociative disorders, schizophrenia, bipolar illness, post-partum psychosis, dementia and substance abuse. Mental retardation and children with anxiety, depression, hyperactivity disorders, enuresis, learning disability and other developmental disorders are also reported in these community clinics & given treatment & counselling services.

Outreach services for homeless mentally ill persons: These services were started in September 2000, in the walled city area of Delhi. Catering to the physical and mental health needs of this group is fundamental to the efforts of betterment of the quality of life of these homeless people.

A mobile health clinic was started in September, 2000 by the HIGH partners, run at Urdu Park, Jama Masjid twice a week on Monday and Thursday by a team of psychiatrists; physicians; postgraduate

psychiatry students as part of their community psychiatry training; members of NGO's like AAA, Youth Reach, Sahara and volunteers of the homeless community. Later, HIGH started a once-a-week counselling and experience- sharing meeting for enhancing and maintaining the motivation for abstinence as part of the treatment of the patients suffering from disorders of substance use. IHBAS provides most of the medicines to the patients attending the clinic, free of cost. Currently community outreach services are extended to five districts across Delhi State.

OUTREACH COMMUNITY SERVICES	
Chhatarpur Clinic (South)	Monday/Thursday/Saturday morning
Jahangir Puri Clinic (North- West)	Wednesday/Friday morning
Dwarka Clinic (South-West)	Wednesday/Friday/saturday morning
Timarpur Clinic (North)	Monday/Thursday/Friday morning
Motinagar Clinic (West)	Wednesday/Thursday/ Saturday morning
Mobile Health Clinic for homeless near Jama Masjid	Monday/Thursday evening

Nursing

The Nursing Staff provides one of the most important supportive cares in the management of neuropsychiatric patients along with rehabilitative care and psychological support to the psychiatric patients, since neuropsychiatric nursing care is different from the general nursing care. The nurses are trained and taught to deliver special nursing care to the neuropsychiatric patients in this institute.

Nursing students from various reputed institutions are beneficiary of these teaching and training programs. Total 2026 nursing students (GNM 1168, B.Sc. Nursing 822, Post Basic B. Sc. Nursing 23 & M. Sc. Nursing 13) underwent clinical psychiatric nursing training program. These trainees are also involved in various community based programmes such as skits to educate community about epilepsy, drug abuse etc,

In addition patient staff group meetings are organized regularly with, main objective of increasing the interaction between the patients and staff for better understanding of patient's problems. The nursing staff is also involved in various other patient welfare activities such as conducting regular sessions of prayers and exercises for the patients, celebrating festivals with patients, eating out programmes as well as as joining the long stay patients for picnics to make them at home.

Day care centre and occupational therapy

The Occupational Therapy and Day Care Centre (OT and DCC) provides services to a wide variety of clientele from OPD as well as

the wards referred from various departments like Psychiatry, Neurology and Neurosurgery. The primary aim includes restoration of maximal functional independence and community reintegration.



Screening, assessment, OT treatment planning and implementation, reassessment, follow-up and discharge planning are providing both neurorehabilitation and psychosocial rehabilitation. Specialized services includes: early intervention, remedial therapy, adaptive and assistive technology, ADL training, cognitive rehabilitation, social skill training work simplification and energy conservation, active scheduling and habit training etc.

The Day Care Centre consists of a multidisciplinary team comprising of psychiatrist, neurologist, clinical psychologist, occupational therapist etc. Skill building is the mainstay of the therapy program at Day Care Centre. It is achieved through structured group activities, prevocational and vocational skill building activities like candle making, envelope making, stitching and tailoring, card making, arts and crafts etc.

The department is actively involved in the teaching and training of M.Phil Clinical psychology students of IHBAS as well as students and interns from various reputed institutions.

Physiotherapy services

The department of Physiotherapy is situated in the occupational

therapy block at IHBAS. Physiotherapy services in the institute were started in August 1995.

The department is manned by one chief physiotherapist, one regular physiotherapist and seven junior physiotherapists working on contract basis. There are various equipments installed in the department viz., Moist heat therapy, Paraffin wax bath, Ultrasound therapy, Traction unit, Short wave diathermy, Interferential therapy with muscle stimulator and TENS unit, Rowing machine, Shoulder wheel, Walking bar, Grip exerciser, T bracket set, Quadriceps table, Rotatory wrist machine, Static cycle, Shoulder abduction ladder. There is in-house availability of fully furnished Gymnasium with 18 different types of equipments.



Physiotherapy services are provided to the inpatients of Psychiatry, Neurology and Neurosurgery as well as all the outdoor patients referred by the clinicians of these departments. Patients with acute neurological deficit are helped by active and passive rehabilitative programmes. Pain relieving modalities are actively used.

Students from various physiotherapy colleges are posted for clinical training & internship. The Physiotherapists are actively involved in the teaching and training of these students.

Pharmacy and medical store

There are separate setups for medical store and pharmacy, catering

to the ever increasing number of patients since the inception of the institute. The drug list is upgraded regularly depending upon the demands placed by clinical departments. A list of the drugs available at the pharmacy counter is displayed for the public.



Medical store and Pharmacy are manned by trained pharmacists. Training is imparted to the pharmacy students on a regular basis.

Dispensing is done as per the standard dispensing guidelines. Currently there are five drug dispensing counters at OPD Pharmacy keeping in view the increasing crowd of the outdoor patients out of which one counter is exclusively dedicated to senior citizens.

Proper labelling of dispensed drugs helps improving the patient's knowledge and compliance with therapy. The pharmacy provides information on dosage frequency, duration and precautions while dispensing the drugs. Patient information leaflets about drugs prescribed are also distributed to the patients regularly.

Kitchen

Kitchen of IHBAS plays a very important and supportive role in providing patient care services. The in house kitchen catered to the in Patients in a very efficient manner in the year 2015-16. Diets are provided to the indoor patients as per the approved diet scale. Besides this individual assessment is



being done for dietary requirement of patients, admitted in the hospital. Complete nutritive requirements of the indoor patients are fulfilled through main meals (Breakfast, Lunch, Dinner) & snacks (Bed Tea, Mid-Morning Soup, Evening Tea) daily, providing adequate calories and proteins and other essential nutrients. Apart from the standard diets, Kitchen also provided 135 numbers of therapeutic/special diets on an average daily, like high protein, low protein, liquid diets, soft diets, high carbohydrates diets, diabetic diets, salt restricted diets. Kitchen Department maintains the quality of prepared food as well as of the dietary ingredients like milk, bread, eggs, paneer, cereal & pulses etc. By keeping a check on all kitchen activities. In addition to the above, Kitchen Department organized special Dishes/Menus for all the indoor patients on various festivals, eating out programme on 4th Sunday of every month and picnics for the inpatients through the year 2015-16.

Reports of Departments

Departmental Reports



Departments of IHBAS

- **Psychiatry**
- **Neurology**
- **Neurosurgery**
- **Neuroanaesthesia**
- **Clinical Psychology**
- **Psychiatric Social Work**
- **Pathology**
- **Microbiology**
- **Neurochemistry**
- **Neuropsychopharmacology**
- **Neuroradiology**
- **Medical Anthropology**
- **Epidemiology**
- **Biostatistics**

Patient Care Services

- **OPD**
- **In Patient**
- **Emergency**
- **ICUs**
- **Diagnostic**
- **Community outreach services**

Special Clinics

- **Child and Adolescent Psychiatry clinic**
- **Mental retardation clinic**
- **Marital and psychosexual Clinic**
- **Epilepsy Clinic**
- **Movement Disorder**
- **Neuro-behaviour Clinic**
- **DATRC and TCC**
- **Neuro-behaviour Clinic**

DEPARTMENT OF PSYCHIATRY

During the academic Year 2015-16 the Department of Psychiatry has expanded the scope of various mental health care activities. Areas being given special attention includes mother and child care Unit, child and adolescent mental health and community mental health including services for homeless mentally ill. The Institute is running a specialty clinic Resource Centre for tobacco Control (RCTC) under the Tobacco Cessation Programme of the Ministry of Health and Family Welfare. The department is also running five community outreach clinics in Delhi under the District Mental Health Programme of the Ministry of Health and Family Welfare, Government of India. IHBAS has been designated as one of the three national Resource Centers for providing technical inputs and training under National Mental Health Programme (NMHP). The disability certification is being provided to persons with Mental Retardation and mental illnesses on a regular basis. The faculty has contributed to a variety of research and training related activities.

Dr. N G Desai

Dr (Prof) NG Desai chaired various sessions in different academic and scientific forums, was invited as examiners in various academic institutions. Dr Desai delivered talks and lectures in several sessions. He provided the constant supervision in the various research activities of the institute.

Publications

Dr. Deepak Kumar

- Kar SK, Borasi M, Kumar D and Gupta SK. Carbamazepine

induced optic neuropathy in an adolescent boy with conduct disorder: a rare case report. Indian J Psychiatry 2015; 57; 437-438

- Tripathi P, Kar SK, Goyal P, Kumar D and Panda AK. Biological correlates of attention deficit hyperactivity disorder and specific learning disability, following stroke in a young child. Ind Psychiatry J 2015; 24; 211-212
- Malhotra M, Kumar D and Verma R. Effect of Psychosocial environment in children having mother with schizophrenia. Psychiatry Research 2015; 226: 418-424
- Kar SK, Bansal S and Kumar D. An extremely rare association of Dyggve-Melchior-Clausen syndrome with mania: coincidence or co morbidity. Indian J Psychological Medicine 2015; 37; 226-229
- Kar SK, Kumar D, Singh S, and Upadhyay PK. Psychiatric manifestation of chronic subdural hematoma: the unfolding of mystery in a homeless patient . Indian J Psychological Medicine 2015; 39; 239-242

Dr. Vijender Singh

- Singh V, Garg B. Metabolic Syndrome and Psychiatric Practice: Clinical and Management Issues. Curr Psychiatry Reviews 2015; 11 (4):273-279
- Garg B, Moyal D, Singh V, Kumar P. Neurobiology of Addictive Disorders- from Aetiology to Treatment. Abstracted in Indian J Psychiatry 2016; 58: Suppl. S17- S18.

Dr. Amit Khanna

- Deepak Moyal, Amit Khanna, Vishal Dhiman, Aninda Sidana. Clozapine Induced Eosinophilia in a case of Schizoaffective Disorder, Current Psychopharmacology, Vol 5 (E-pub ahead of Print) available at <http://benthamscience.com/journals/current-psychopharmacology/article/140324/>
- Shailesh Jha, Amit Khanna. Alopecia Areata Monocularis in Clozapine-induced Hypereosinophilia; Indian Journal of Psychological Medicine, Vol 38, Issue 1, Jan-Feb 2016, p84-85.
- Amit Garg, Amit Khanna, Pallavi Sinha. Dissociative Trance and Possession as Inhalant Withdrawal in an Adolescent. Delhi Psychiatry Journal 2015; 18 (2); 445-446.
- Shailesh Jha, Amit Garg, Amit Khanna. Dissociative Disorder manifesting for underlying Adolescent Hemi-parkinsonism: New Chronologies for Old Mummies. Asian Journal of Psychiatry 2015 (16); 61-62.
- Shailesh Jha, Amit Khanna, Shashikant Khanna. Mother Child Care Unit (MCU): A First Cry from India. Asian Journal of Psychiatry 2015 (16); 72.

Editorial Board of Book:

- Chronic Mental Illness and the Changing Scope of Intervention Strategies, Diagnosis, and Treatment by IGI Global by Dr Vijay P Barre (In Press)

Chapters published

- Shailesh Jha, Prerna Khanna, Amit Khanna CMI: Advance Intervention Strategies for Patients, Chronic Mental Illnesses IGI Global (In Press)
- Prerna Kukreti, Amit Khanna, Prerna Khanna. CMI: Homelessness and chronic mental illnesses Chronic Mental Illnesses. IGI Global (In Press)
- Pallavi Sinha, Amit Garg, Prerna Khanna, Amit Khanna. CMI and Substance Use disorders. Chronic Mental Illnesses IGI Global (In Press)
- Bhavuk Garg, Prerna Khanna, Amit Khanna. CMI in Child and Adolescent Population. Chronic Mental Illnesses IGI Global (In Press)

Dr. Sumit Gupta

- Bansal S, Gupta SK, Kar SK, Singh P, Kumar D, Sinha U. A rare case of very early onset obsessive compulsive disorder with co-morbid Agoraphobia. Journal of Indian Association for Child & Adolescent Mental Health. 2015 Apr 1;11(2).
- Tripathi P, Gupta SK, Goyal P, Kar SK. Successful use of olfactory hallucinations as early warning sign in a patient with bipolar disorder. Australian and New Zealand Journal of Psychiatry. 2015 Mar 18:0004867415577436.
- Gupta SK, Kamboj A. The 'unknown' safety concern for aripiprazole once monthly. The British journal of psychiatry: the journal of mental science. 2015 Feb;206(2):168.

- Gupta SK, Singh AP. Dependence on carbonated water: Clinical and policy implications. *Journal of Mental Health and Human Behavior*. 2015 Jul 1;20(2):82.
- Borasi M, Verma RP, Gupta SK. Psychosis as harbinger of phenytoin toxicity. *Toxicology International*. 2015 Jan 1;22(1):160.
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- Singh P, Kar SK, Kumari R, Gupta SK. Dermatositis neglecta in schizophrenia: A rare case report. *Indian journal of psychological medicine*. 2015 Jan;37(1):93.

Abstracts

- Moyal D, Gupta SK, Garg B, Sidana A. A comparison between the characteristics of persons certified with disability due to Mental Retardation and that of census of persons with Mental Retardation in NCT of Delhi, India. In *INDIAN JOURNAL OF PSYCHIATRY* 2015 Jan 1 (Vol. 57, No. 5, pp. S31-S31).
- Sidana A, Garg B, Moyal D, Gupta SK. Characteristics of the

patients certified for disability due to mental retardation in NCT of Delhi: a four year analysis. In INDIAN JOURNAL OF PSYCHIATRY 2015 Jan 1 (Vol. 57, No. 5, pp. S32-S32).

- Garg B, Gupta SK. Antipsychotic induced obsessive compulsive symptoms in schizophrenia-case series. In INDIAN JOURNAL OF PSYCHIATRY 2015 Jan 1 (Vol. 57, No. 5, pp. S135-S135).
- Moyal D, Garg B, Gupta SK, Sinha UK, Kumar D. Managing attention deficit hyperactivity disorder in preschool age. In INDIAN JOURNAL OF PSYCHIATRY 2015 Jan 1 (Vol. 57, No. 5, pp. S179-S179).

Participation in International /National conferences /Others

Dr. Deepak Kumar

- Participated in the Symposium on Legislations in relation to Children in India: what a psychiatrist should know, at the 68th Annual National Conference of Indian Psychiatric Society (ANCIPS) on January 2015 at Bhopal, M.P.
- Participated as the principal discussant for the session titled "Technology and Mental Health-legal and ethical challenges" at the 25th Annual Conference of the Delhi Psychiatric Society held on 20th December 2015 at New Delhi.

Awareness generation activities (IEC activities)

- Organized and participated in Mental Health Awareness Week (MHAW) in the month of October 2015.

- Participated in Brain Awareness Week (BAW) in the month of March 2015.

Projects/Thesis (Ongoing)

- Guide and Co-guide for MD Psychiatry and M. Phil Clinical Psychology students Thesis and dissertations respectively.

Other activities:

- Member of the Training Coordination Committee for NMHP/DMHP under DGHS and MOH & FW, Government of India.
- Member of the Expert Committee on Mental Health care for the children in Delhi, constituted by the Delhi Commission for the Protection of Child Rights (DCPCR).
- Participated as a resource person in the Training of Trainers (TOT) workshop under NMHP on 1-2 December 2015 at NIHFWS, New Delhi
- Participated as a delegate in the management development programme on best practices in hospital logistics, inventory and stores management held on 21-22 February, 2015 at ACMS, New Delhi

Dr. Vijender Singh

- Participated in 10th National Quality Conclave of Quality Council of India (QCI) held at Delhi on 7th & 8th August, 2015
- Participated as Resource Person in Mental Health Awareness Week (MHAW) 2015 in state of Delhi; organized jointly by IHBAS & State Mental Health Authority from 8th October 2015 to 15th October 2015

- Participated in "Meeting for Review of 4th Edition of National Accreditation Board for Hospitals (NABH) Standards", conducted by Consortium of Accredited Health-care Organisations (CAHO) on 18th November 2015 held at New Delhi.
- Participated in Annual National Conference Of IMA (Max Natcon) held at New Delhi on 21st & 22nd November 2015.
- Participated in 68th Annual National Conference Of Indian Psychiatric Society held at Bhopal on 21st January 2016 to 24th January 2016 and presented a scientific symposium.

Research Experience

Projects/Thesis (Completed)

- Co-investigator in ICMR Task Force Project on "NICED-IHBAS-RIMS Collaborative study on HIV/AIDS and Drug Abuse in Manipur" funded by Indian Council of Medical Research (ICMR) Jun. 2006 to May 2008
- Co-investigator in ICMR Task Force Project on "Mental Health Needs Assessment and Service Delivery Models in Earthquake affected population of Gujarat" funded by Indian Council of Medical Research (ICMR) Mar. 2003 to Mar. 2009
- Co- Supervisor For M Phil Thesis On "Marital and Sexual Satisfaction in Individuals Suffering from Obsessive-Compulsive Disorder and Their Spouses " in The Department Of Clinical Psychology, IHBAS, Delhi from 2012-14
- Co-investigator in "A Multi-centre Study of Mental Health Morbidity and Psychosocial needs of Persons living with HIV/AIDS" funded by National AIDS Control Organisation (NACO)

- Co-supervisor for MD thesis on "A Study of Behavioural & Psychological Symptoms of Dementia (BPSD) in Patients with Dementia of Alzheimer Type & Vascular Dementia " in the Department of Psychiatry, IHBAS, Delhi
- Co-supervisor for MD thesis on "Anxiety and Depression in parents of children with attention deficit Hyperactive disorder- A comparative Study" in the Department of Psychiatry, IHBAS, Delhi
- Co- Supervisor For M Phil Thesis On "Metacognitive beliefs and coping strategies in patients with Obsessive-Compulsive Disorder " in The Department Of Clinical Psychology, IHBAS, Delhi
- Co- Supervisor for MD thesis on "A study on the Thyroid Abnormalities and its effects on quality of life in cases of Depressive Disorders" in the Department of Psychiatry, IHBAS, Delhi
- Co- Supervisor For MD Thesis On "A Study Of Metabolic Syndrome In Patients On Risperidone " In The Department Of Psychiatry, IHBAS, Delhi

Projects/Thesis (Ongoing)

- Co- Supervisor For MD Thesis On "A Study Of Sexual Dysfunction In Male Patients Of Depressive Disorder " in The Department Of Psychiatry, IHBAS, Delhi
- Co- Supervisor For MD Thesis On "Electroconvulsive Therapy: A prospective study regarding knowledge, attitude

and experience among caregivers of mentally ill patients in a tertiary care hospital " in The Department Of Psychiatry, IHBAS, Delhi

Presentation

- Garg B, Moyal D, Singh V, Kumar P. Neurobiology of Addictive Disorders- from Aetiology to Treatment, presented at the 68th Annual National Conference of Indian Psychiatric Society held at Bhopal on 21st January 2016 to 24th January 2016.

Dr. Manoj Kumar

- *Participated in 67th Annual National Conference of the Indian Psychiatric Society (ANCIPS 2015), Hyderabad, January 08-11, 2015*
- *Participated in Workshop: Long Acting Novel Antipsychotics, Delhi 26th July, 2015*
- Participated in 40th Annual conference IPS north Zone, Srinagar October 3-4th 2015
- Participated in 16th Annual conference of Indian association of private psychiatry, Khajuraho, 3-6th Dec 2015

Dr. Amit Khanna

- Completed a Certificate Course in Research Methodology (Distance Learning) July-Dec 2015, Public Health Foundation of India (PHFI)
- Participated as Resource Faculty in a Public Seminar: Stress Management in Daily life at East Delhi Medical Branch Hall, October 10, 2015

Dr Sumit Kumar Gupta

- Presented Poster "Desai NG, Gupta SK, Garg B, Kumar D, Tarwani J. Results from a Pilot Project on Mental Health Assessment and Assistance in Domestic Violence" in the Conference "Revisiting Women's Mental Health" organized by Department of Psychiatry, Lady Hardinge Medical College, Delhi on 1st August 2015
- Participated in a Workshop: 'Long Acting Novel Antipsychotics' by Behavioral and Neurosciences Academy of India on 26th July, 2015 in Delhi
- Attended Session on "*How to go about Learning Disability? How/who can Certify LD? Rights of LD Child to be helped as of now and in Future?*" in Clinical Meeting of Indian Academy of Pediatrics, Delhi on 18th June, 2015 at BLK Hospital, Delhi

Awareness generation activities (IEC activities)

- Participated in Mental Health Awareness Week (MHAW) in the month of October 2015.
- Organized & Participated in Brain Awareness Week (BAW) in the month of March 2015.
- Resource Faculty for Public Lecture on Autism on 26th April, 2016 at IHBAS during Autism Awareness Month 2016

Others

- Resource Faculty for "Workplace Stress: a collective challenge" on World Day for Safety and Health at Work at National Center for Disease Control, New Delhi on 28th April 2016

- Contributed to the Report of the 'Technical Committee on Mental Health' Constituted by the 'National Human Rights Commission' to evaluate mental health services in India
- Coordinating Faculty for North-West Delhi -District Mental Health Program
- Reviewed articles for following Journals
 - Toxicology International
 - World Journal of Radiology
 - World Journal of Psychiatry
 - British Journal of Psychiatry Open

DEPARTMENT OF NEUROLOGY

Departmental Events

- Department of Neurology organized the Public Awareness Programme on 8th February, 2016 (Monday) on the occasion of INTERNATIONAL EPILEPSY DAY.
- The Department of Neurology organized STROKE AWARENESS PROGRAMME for sensitizing the Nursing Staff on 14th March, 2016 (Monday).
- Department of Neurology organized WORLD ALZHEIMER'S DAY (AGING GRACEFULLY) On 30th September, 2016 along with Therapeutic Activities for Patients & Awareness Programme for caregivers and general public

Guest Lectures organised

- Department of Neurology organized a scientific interaction on Neuro infections on 9th November, 2015 (Monday) and guest lecture by Dr. Geeta Chopra, Laboratory approach in Neuro infections, Chief Pathologist, Metropolis Lab & Dr. Renu Gupta, Assistant Professor (Microbiology), IHBAS.
- "Neuro-imaging Biomarkers in Alzheimer's Disease" on 12th May, 2016 by Dr. Parval Mandal, Scientist, National Brain Research Centre (NBRC), Manesar on
- "Current Trends in Management of Acute Stroke" by Dr. Deepak Gulati, Assistant Professor (Vascular Neurologist), Columbus State University, OHIO on 16th November, 2015 (Monday)

Project Completed

- Project titled "Saving the Brain-Proposal to Increase Awareness of Thrombolysis (Acute Stroke Management) Among General Physicians, Health Care workers and in Community"

Project Summary:

The stroke services are not well developed in our country. The utilization of the approved treatment i.e. intravenous thrombolytic therapy is less than 1-3 % in developing countries. Department of Neurology of Institute of Human Behavior and Allied Sciences Delhi- India, had started the comprehensive Stroke Programme in 2011, aiming to initiate thrombolysis for acute stroke management. Being a tertiary care neurology centre and the only Government institute providing the thrombolytic therapy for acute stroke, the number of patients of reaching the hospital in window period to our emergency was very low. We undertook the project of Saving the brain funded by world federation of Neurology (WFN) which aimed to increase awareness of thrombolysis in Acute Stroke Management among general physicians, Health care workers and in community. During one-year initiative of Saving the Brain project, continuous, intensive sensitization programme for the General physicians, Resident doctors and paramedical staff of the Government hospitals of East Delhi was organized. The hospitals and the communities covered in this project are shown in the geographic map of East Delhi .Total 101 physicians from 6 general hospitals had participated in this project. The knowledge and attitude towards the acute stroke management was assessed through the simple questionnaire. The Stroke CME (Continuous Medical Education) was regularly done to discuss various aspect of acute stroke management with interactive sessions to understand the difficulty in managing and referring the patients to the higher centres for management.

Community Awareness for stroke symptomatology and risk factor evaluation was simultaneously done in our initiative of Saving the Brain. We have developed the stroke information sheet containing the complete facts in Hindi and English language for the general public which is distributed in community.

In our setting we are able to establish the effective stroke program by adopting the strategies of creating the awareness and educating the medical and paramedical staff and community for acute stroke symptoms & management. Outcome of the project was measured by the number of patients referred to our institute in window period. The concept of understanding the window period and respecting the timelines by general physicians along with the sensitized community for stroke symptoms will be instrumental in providing the effective referral system to the centres treating the patients of acute stroke and reducing the burden of stroke.

Publications

Dr. SumanKushwaha

- R. Gupta .R. Thakur .N. Jalan · R. Pumanshi · M. Paul · S. KushwahaComparative evaluation of in-house Real time IS 6110, nested MPT 64 PCR and Roche AMPLICOR 16s rRNA PCR for diagnosing tuberculous meningitis; Apr 2016 · International Journal of Infectious Diseases.
- Ishita pant, SujataChaturvedi, KiranBala, SumanKushwaha; Muscle Histopathology in today's era of molecular genetics; Role and Limitations; Dec 2015- Annals of Indian Academy of Neurology.
- Puneet Talwar, Neha Kanojia, Swati Mahendru, RuchiBaghel, Sandeep Grover, Gunjan Arora, Gurpreet Grewal,

Shamaparween, Ankit Srivastava, meenakshi Singh, SauravVig, SumanKushwaha, Sangeeta Sharma, KiranBala, ShrikantKukreti , RitushreeKukreti. Genetic contribution of CYP1A1 variant on treatment outcome in epilepsy patients: A Functional and interethnic perspective; Dec 2015. The Pharmacogenics Journal.

- PuneetTalwar, Juhi Sinha, Sandeep Grover, Rachna Agarwal, SumanKushwaha, M.V Padma Srivastava, RitushreeKukreti; Meta-analysis of apolipoprotein E levels in the cerebrospinal fluid of patients with Alzheimer's disease.No preview · Article · Dec 2015.
- Rachna Agarwal, Puneet Talwar, Suman Kushwaha, Chandra BhushanTripathi, RitushreeKukreti. Effect of apolipoprotein E (APO E) polymorphism on leptin in Alzheimer's disease. Oct 2015 · Annals of Indian Academy of Neurology.
- PuneetTalwar, Juhi Sinha, Sandeep Grover, Chitra Rawat, SumanKushwaha, Rachna Agarwal, VibhaTaneja, RitushreeKukreti. Dissecting complex and multifactorial nature of Alzheimer's Disease pathogenesis: a Clinical, Genomic and Systems Biology Perspective. Sep 2015, Molecular Neurobiology
- Sangeeta Sharma, FauziaTabassum, Pradeep Dwivedi, Rachna Agarwal, SumanKushwaha, KiranBala, Sandeep Grover, RuchiBaghel, RitushreeKukreti, Chandra B. Tripathi ; Critical appraisal of serum phenytoin variation with patient characteristics in a North Indian population. Neurology India 03/2015; &§(2):202-208. DOI:10.4103/0028-3886.156281.

Thesis Completed

- Dr. Roshan I. Mistry: Thesis titled "A Comparative study of Clinical Profile of Patients of Drug Induced Parkinsonism with Idiopathic Parkinson's Disease.
- Dr. SurendraKhosya: Thesis titled "A study of predisposing factors, clinical profile and outcome of cerebral venous sinus thrombosis in a tertiary care hospital in North India.
- Dr. VinitBanga: Thesis titled "A Study of Psychological Comorbidity in Patients with Epilepsy.

Participation in National/International Conferences/Others

- Dr Aldrin Anthony attended a Internal Assessor Training Program on National Quality Assurance Standards from 16th to 17th August, 2016 organized by National Health Mission, Delhi in collaboration with National Health Systems Resource Centre.

Ongoing Research

Dr. SiddharthMaheshwari

- Patterns of Spread in Motor Neuron Disease; M. Gourie Devi, SiddharthMaheshwari
- Study of the Dynamic MRI of the Cervical Spine in normal healthy controls to look for cervical spine abnormalities

DEPARTMENT OF NEUROSURGERY

The department came into existence in April 2007 with the joining of one Associate Professor, and two Assistant Professors. Neurosurgery department started the outdoor patient services in July, 2007. Neurosurgery ward started in July 2008 while Neurosurgery operation theatre started working on 28th July, 2008.

Publications

Dr. Vinod Kumar Singh Gautam

- Neuro-radiology: A new Gold Standard investigation For Management of Central Nervous System Tuberculosis. Vinod K.S. Gautam. International journal of Medicine, 4(1) (2016),14-22.

Dr. Deepak Kumar Jha

- Jha DK. Universal working sheath for microendoscopic assisted surgeries of lumbar and lumbosacral spine. The Patent Office Journal 23/10/2015.
- Jha DK, Jain M, Pandey P, Kushwaha S, Arya A, Kumari R. Clinical Methods of Spinal Level Localization (SLL) in Lumbar and Lumbosacral (LS) Spine Surgeries through Posterior Approach. Accepted in Journal of Spine Suregery.
- Pant I, Chaturvedi S, Jha DK, Kushwaha S. Racemose neurocysticercosis presenting with rapid cognitive decline. Astrocyte 2015; 2:86-8.
- Pant I, Chaturvedi S, Jha DK, Kumari R, Parteki S. Central nervous system tumors: Radiologic pathologic correlation

and diagnostic approach. J Neurosci Rural Pract
2015;6:191-7.

Awards:

- Best paper award' at ANTC 2015 (Aug' 2015) at AIIMS, Delhi for paper, "Cervical and Cranio-vertebral Junction Trauma Management with Minimal Resources". (Date of award: 31/10/2015).
- Certificate of excellence' Acknowledgement of services towards cause of humanity by Indian Medical Association, East Delhi Branch. (date of award: 24/10/2015)

Participation in National/International Conferences / Others

Dr. Vinod Kumar Singh Gautam

- Presented a paper Challenges in the Neurosurgical Management of CNS Tuberculosis in Paediatric Population, during 26th Annual Meeting of the Indian Society of Paediatric Neurosurgery, Nov 19-22, Kochi, Kerala
- Attended 26th Annual Meeting of the Indian Society of Paediatric Neurosurgery, Nov 19-22, 2015 at Kochi, Kerala
- Attended 64th Annual conference of Neurological society of India (NSICON 2105), from 17th-20th December, 2015 at HICC, Hyderabad, Andhra Pradesh

Dr. Deepak Kumar Jha

Paper Presented:

- 'Defying Resource Scarcity in Neurosurgery' at 'DNA CON 2016' at Delhi.
- 'Cervical and Cranio-vertebral Junction Trauma Management with Minimal Resources' at 'ANTC 2015' at AIIMS, Delhi.
- 'Skull base surgery with minimal resources' at 'Skull Base Conference 2015' at Bengaluru.
- 'Indigenously made instruments for advanced neurosurgical procedures. Abstract accepted for oral presentation at 5th Annual Conference of NSSI

DEPARTMENT OF NEUROANAESTHESIOLOGY

Department of Neuroanesthesiology is growing progressively with the vision to provide state of art quality services for anaesthesia and critical care. Central gas supply pipeline system was inaugurated on 24th June 2008, due to which uninterrupted supply of Oxygen has been possible. First Neurosurgical operation under GA was performed on 02/02/2009. CPR training Centre under Deptt of Neuroanesthesiology for training of doctors and paramedical staff of IHBAS had also set up in 2011.

Man power

No. of Faculty: 02

Head of the Department: Dr Mukul Kumar Jain

No. of S.R.: there are 14 posts of senior residents in the department

Equipments

Modern-microprocessor controlled ICU ventilators. Invasive and noninvasive Cardiac and respiratory monitoring facilities, defibrillators, blood gas analysis facility, advanced anesthetic work station, advanced patient warming system, Fiberoptic Bronchoscope, CPR Trainers, pneumatic compression device.

Hospital services-clinical activity

- **PAC-** All the patients undergoing for any procedure under the effect of anesthetic agent are screened in pre anesthetic checkup to rule out any problem that can be hazardous during anesthesia. It also helps in to find out any contraindication for the procedure. During year 2015-16 total 150 (for MECT) + 187 (for Neurosurgery)= 337 patients were seen in PAC.

- **NEUROSURGICAL OPERATIONS-** Total 187 operations were done.
- **ECT-**Electroconvulsive therapy is a treatment for the severe depression. It may be carried out to apply current in conscious patients (Direct ECT) or in anaesthetized patient (Modified ECT). Total 1704 patients had undergone such treatment under anesthetic effect during 2015 and no direct ECT was given.
- **ICU Care & Ventilatory support to critically ill patients-** Frequently, patients in Neuro-ICU require Ventilatory support to maintain the respiration and Department of Neuroanesthesiology looked after such patients in Neuro-ICU. Many of times help of anesthetist is required in neurology to put I.V.Line/ central line, to perform percutaneous tracheostomies, to perform lumbar punctures, to put Ryle's Tube etc.
- **CT- Scan services-** only one patient had given sedation during CT Scan, though all the patients in CT scan undergoing contrast use are observed by anesthesia department.
- **Educational Activities-** Chair the Session during AIIMS Neuroanaesthesia Update 2015 on 26th – 27th Sept2015 (Dr Mukul K Jain)

Teaching & Training

Dr. Mukul Kumar Jain

- Regarding care of ventilatory patient, ventilator setting to a critically ill patient

- to nursing staff of Neuro ICU-regarding care of ventilator, care of critically ill patients
- Departmental Senior resident teaching Dr Arvind Kumar Arya
- Teaching and training of senior resident for Neuroanaesthesia, critical care, ventilator management and acute & chronic pain management.
- Teaching and training of nursing staff and technician for neuro intensive care and airway management.
- CPR training (Basic life support) of all resident doctors, nursing staff, students and technician of IHBAS
- Training of new resident doctors of IHBAS

Examine

- External Expert and Examiner for MD (Anaesthesia) and DA (Diploma Anaesthesia) University exam of 2015 batch of Maharishi Makandeshwar University Mullana, Ambala, Haryana.

Organization of symposium/ public programme/ talks

Dr. Mukul Kumar Jain

- Chair the Session during AIIMS Neuroanaesthesia Update 2015 on 26th – 27th Sept 2015 (Dr Mukul K Jain)
- CME lecture on "Fiberoptic Airway Route and Trouble Shooter

during Fiberoptic Intubation” during NAC- 2015 - 18th -20th Sept, 2015 at Srinagar, J&K (Dr Mukul K Jain)

- Paper presentation on “ Relevance of Endotracheal Tube Cuff Pressure (ETTc) monitoring during Anterior Cervical Spine Surgeries- Manual v/s Automatic Method” on 26th- 29th Dec 2015 (Dr Mukul K Jain)
- Judge for poster presentation on 26th- 29th Dec 2015 (Dr Mukul K Jain)Dr Arvind Kumar Arya
- Organized and conducted “workshop on Basic life Support” and delivered lecture on 'Cardiopulmonary resuscitation' with IMA East Delhi on 12th Oct 2015 at Shankhwar Hospital, Mayurvihar, Delhi.
- Organized and conducted “workshop on Basic life Support” and delivered lecture on 'Cardiopulmonary resuscitation' with IMA East Delhi on 14th Nov 2015 at Curewell Hospital, Dilshad Garden Delhi.
- Organized and conducted “workshop on Video Laryngoscope” and delivered lecture in AMRICON Conference 2015 at Bhubaneswar, Orissa.
- Organized and conducted “workshop on Basic life Support” and delivered lecture on 'Cardiopulmonary resuscitation' in 'Delhi Police Head Office and DCP Office during Delhi police week on 12th Dec 2015.
- Organized Neuro Critical care Workshop in 22th Annual

Conference of the Indian society of Critical Care Medicine & International critical care congress, Organized by ISCCM Agra Branch at Agra on 5th- 7th Feb 2016.

Guest Lectures / Chair session taken

- Chair session in "Neuroanaesthesia Update 2015" organized by Department of Neuroanaesthesiology and Critical Care, held at AIIMS, New Delhi on 26th-27st Sept 2015.
- Lecture on 'Anaesthetic equipment' in EORCAPS – 2015, organized by Department of Anaesthesiology and Critical Care, UCMS & GTB Hospital, Delhi on 13.09.2015.
- Lecture on 'Use of Video Laryngoscope for Airway Management' in AMRICON Conference 2015 organized by AIIMS Bhubaneswar & AMRI hospital at Bhubaneswar, Orissa on 30th Oct -01st Nov 2015.
- Chair session on 'Difficult Airway management' in AMRICON Conference 2015 organized by AIIMS Bhubaneswar & AMRI hospital at Bhubaneswar, Orissa on 30th Oct -01st Nov 2015.
- Judge for E – poster in ISACON-2015, 63th Annual Conference of Indian Society of Anaesthesiologists (ISA), at Jaipur, Rajasthan, organized by Department of Anaesthesiology and Critical Care, SMS medical college, Jaipur, on 25th - 29th Dec. 2015
- Lecture on 'Invasive monitoring for Neuro critical care' in Neuro Critical care Workshop in 22st Annual Conference of the

Indian society of Critical Care Medicine & International critical care congress, Organized by by ISCCM Agra Branch at Agra on 5th - 7th March 2016.

**Symposia/ workshops/ conference/ training/
CME attended**

Dr. Mukul Kumar Jain

- NAC- 2015 - 18th -20th Sept, 2015 at Srinagar, J&K (Dr Mukul K Jain)
- AIIMS Neuroanaesthesia Update 2015 on on 26th – 27th Sept2015 (Dr Mukul K Jain)
- ICRA-Pain at Kolkatta on 27th Aug 30th Aug 2015 (Dr Mukul K Jain)
- ISACON 2015 at Jaipur on 26th - 29th Dec 2015 (Dr Mukul K Jain)
- ISNACC- 2016 at Bangalore on 5th - 7th 2016 (Dr Mukul K Jain)

Dr. Arvind Kumar Arya

- 53th Annual Conference of ISA Delhi Chapter, organized by Department of Anaesthesiology and Critical Care , G.B. Pant Hospital , Delhi on 4th – 5th April 2015.
- IMA MEDICON -2015, annual conference of Indian medical association on 19th April 2015 at IMA conference, Delhi.
- Annual conference of Delhi chapter of ISCCM (Delhi Society

of Critical care Medicine) on 8th-10th Aug 2015 at Indian Habitat centre, Delhi.

- . " EORCAPS – 2015", organized by Department of Anaesthesiology and Critical Care , UCMS & GTB Hospital, Delhi on 5th-13th Sept. 2015.
- "Neuroanaesthesia Update 2015" organized by Department of Neuroanaesthesiology and Critical Care ,held at AIIMS, New Delhi on 26th-27st Sept 2015.
- "Max Medicon 2015", Organized by IMA East Delhi Branch and Max hospital at Kempinski Ambiance Hotel on 10th-11th October 2015.
- "AMRICON Conference 2015" organized by AIIMS Bhubaneswar & AMRI hospital at Bhubaneswar, Orissa on 30th Oct -01st Nov 2015.
- "IMA SUPER MEDCON 2015"– By IMA EDB at KEMPSINKI Hotel, on 8nd Nov 2015.
- "ICU MEDCON-2015" Organized by MAX Hospital on 15th Nov. 2015 at IMA-EDB Bhawan, Karkardooma, Delhi.
- 63th Annual Conference of Indian Society of Anaesthesiologists (ISA), ISACON-2015 at Jaipur, Rajasthan, organized by Department of Anaesthesiology and Critical Care, SMS medical college on 25th - 29th Dec. 2015

- DNACON- 2016, Annual conference of Delhi Neurological Society held at Indian Habitat centre, organized by Neurosciences, Max Hospital Delhi on 30th Jan 2016.
- CME organized Department of Anaesthesiology and Critical Care, UCMS & GTB Hospital, Delhi on 19th Feb. 2016.
- 22th Annual Conference of the Indian society of Critical Care Medicine & International critical care congress, Organized by ISCCM Agra branch at Agra on 5th- 7th Feb 2016
- "Annual Conference of the DMA", Organized by Delhi Medical Association on 19th-20th March 2016 at Le Median Hotel.

Special grants/assistance/ honours/ distinctions received

- Excellence Award – 2015 by IMA-EDB (Dr Mukul K Jain)

Research publication (books/ monographs/ chapters in books/ research)

Dr. Mukul Kumar Jain

- Jain Mukul Kumar, Tripathi Chander Bhushan. Relevance of Endotracheal tube cuff pressure monitoring during anterior cervical spinal surgeries- MANUAL V/S AUTOMATIC METHOD accepted in IJPSM on 05-06-2013

Dr. Arvind Kumar Arya

- Arvind arya, lalit kumar, mukul jain, Deepak kumar. 2015. 'Evaluation the different doses of Dexmedetomidine with clonidine on haemodynamics and recovery profile in patients undergoing modified ECT in respect to BIS Monitoring" in ISACON- 2015 abstract book.

- Arvind arya, lalit, Suman Kushwaha. 2016. "Evaluation the comparison of role of Dexmedetomidine with clonidine for ICU sedation in Neuro critical care units"" in ISCCM-2016 Abstract book.

Paper Presentation

- 'Evaluation the different doses of Dexmedetomidine with clonidine on haemodynamics and recovery profile in patients undergoing modified ECT in respect to BIS Monitoring" in 62th Annual Conference of Indian Society of Anaesthesiologists (ISA), ISACON-2015 at Jaipur, Rajasthan, organized by ISA Jaipur and Rajasthan state on 25th - 29th Dec. 2015.
- "Evaluation the comparison of role of Dexmedetomidine with clonidine for ICU sedation in Neuro critical care units" in 22nd Annual Conference of the Indian society of Critical Care Medicine & International critical care congress, Organized by ISCCM Agra Branch at Agra on 5th - 7th Feb 2016.

Additional administrative work

Dr. Mukul Kumar Jain

- OIC ECT (Dr Mukul K Jain) since 01/10/2008
- OIC Ambulance (Dr Mukul K Jain)
- OIC (Purchase) (Dr Mukul K Jain)
- Chairman of COP-II (NABH) Committee (Dr Mukul K Jain)

Dr Arvind Kumar Arya

- OIC – Medical Gas pipeline system, IHBAS
- OIC – CPR training centre, IHBAS
- Chairperson – COP –I (NABH Committee), IHBAS

DEPARTMENT OF NEURORADIOLOGY

The department of Neuroradiology started functioning in 1982 with the installation of first X ray machine. Since the past 34 years, the department has come a long way with expansion in the modalities and scope of services.

Department of Neuroradiology has state of the art machines for X-Ray, Ultrasound, Colour Doppler, and multislice CT scan. Over the years there has been a constant increase in patient in-flow to the department. Round the clock CT scan facility is being provided for the emergency patients.

Major Achievements

Radiological Investigations performed during the year were:

- **X-ray facilities:** Presently, X-rays are being performed on 1000 mA Shimadzu C Vision X-ray machine. All X rays of ICU/ inbed patients are carried out using the 150 mA mobile X ray unit. During the year, 8314 X-rays have been performed.
- **Ultrasound, Echo and Color-Doppler:** 3260, 888, 209 Ultrasounds, Color Dopplers and Echocardiography examinations have been performed in the year.
- **CT Scan:** The department is equipped with a 16 slice CT scanner (Siemens Somatom Emotion). Round the clock (24 hour) CT services were commenced from May-June 2013 with discontinuation of the outsourced MRI facility. 11079 CT examinations were performed during the said period.

Teaching and Training

The Department is actively involved in teaching. All important cases are routinely discussed and reviewed in the Department, involving the resident and the faculty. Once a week, a dedicated inter-departmental session to discuss all the clinical details and radiological investigations is performed. The faculty is also involved in interdepartmental discussions, seminars and lectures.

Faculty

Dr Rima Kumari, MD, DNB

Associate Professor

Dr Monali Chaturvedi, MD, DMRD

Assistant Professor

Publications

- Srivastava S, Bhatia MS, Bhargava SK, Kumari R, Chandra S. A Diffusion Tensor Imaging Study Using a Voxel-Based Analysis, Region-of-Interest Method to Analyze White Matter Abnormalities in First-Episode, Treatment-Naïve Major Depressive Disorder. J Neuropsychiatry Clin Neurosci. 2016 Spring; 28(2):131-7.
- Ishita P., Chaturvedi S, Jha DK, Kumari R et al. Central Nervous System Tumours: Radiologic pathologic correlation and diagnostic approach. J Neurosci Rural Prac 2015 Apr-Jun; 6(2): 196-97.

Conference/ Course attended

6th Lucknow Ultrasound course held on 1-2 Nov 2015 attended by Dr Monali Chaturvedi.

DEPARTMENT OF CLINICAL PSYCHOLOGY

The Department of Clinical Psychology extends psycho-diagnostic and psychotherapeutic services to the cases referred by department of psychiatry, neurology and the other specialty clinics. This also includes neuropsychological assessment and rehabilitation, Child guidance services, Counselling in the area of Marital and Psychosexual problems, early detection, evaluation and intervention for the children with Mental Retardation, Autism, Learning Disability and rehabilitation services to the persons with severe mental illness.

The Clinical Psychology Department is also playing a leading role in teaching and training of M.Phil. (Clinical Psychology) trainees to develop the manpower in the area of mental health. It also extends its services and training programs for other departments and agencies inside and outside IHBAS.

Hospital Services

The clinical psychology department provides services to inpatients and outpatients referred by psychiatry and neurology departments. Active support is also provided to various specialty clinics like child and adolescent mental health clinic, drug abuse treatment and rehabilitation center, mental retardation clinic, marital and psychosexual clinic, neuro-behaviour clinic, movement disorder clinic and epilepsy clinic. Major Services provided by the department are in the area of I.Q. assessments, Psychodiagnostic assessments, Neuropsychological assessments, other psychological assessments, assessment of children and adolescents, Counseling, various Psychotherapies, Behaviour therapy etc.

Teaching and Training

A two-year full-term supervised clinical training programme, leading to M. Phil. Degree in Clinical Psychology (qualifying degree to practice as registered Clinical psychologist in India) was introduced in the year 2004 under Faculty of Medical Sciences, University of Delhi. Since then, the course is running successfully, admitting 15 students per year, with two extra seats for in-service candidates.

Department is also extending its facilities to post graduate students (MA - Final year) from Department of Psychology, University of Delhi, North Campus; Department of Applied Psychology, University of Delhi, South Campus; Department of Psychology, Jamia Milia Islamia; for their orientation training thorough exposure to the areas like case history taking, clinical interview, psychological assessment and therapeutic interventions.

List of M. Phil. Clinical Psychology Dissertations submitted in 2016

Roll No.	Name	Topic	Supervisor
1.	Ms. Anu Gehlot	Levels of burnout and coping strategies used by mental health professionals in Government and private health care settings	Dr. Vibha Sharma
2.	Ms. Banupriya SB	Evaluating previously researched validity indicators on WCST and RPM to detect dissimulated neurocognitive deficits	Dr. Vibha Sharma
3.	Ms. Jyoti Singh	Pattern of sexually inappropriate behaviour in intellectually disabled adolescents	Dr. Uday K. Sinha

4.	Ms. Kartiki S Keshkamat	Detecting dissimulated neurocognitive impairments using Rey Complex Figure Test & Recognition Trial and Rey Auditory Verbal Learning Test: Evaluating previously established validity indicators	Dr. Vibha Sharma
5.	Ms. Lini Philip	Understanding personal and professional development of clinical psychology professionals	Dr. Naveen Grover
6.	Ms. Madhuri Jain	Developing a trainee delivered semi-structured single session module for patients of OCD	Dr. Naveen Grover
7.	Ms. Mahika Sharma	Help seeking behaviour and mental health literacy among college students	Dr. Naveen Grover
8.	Ms. Mehjabin Sultana Haque	Emotional dysregulation, perceived cause of illness, perceived effect of therapy, and pathways to care in the persons with dissociative disorder	Dr. Vibha Sharma
9.	Mr. Mohit Chandra	Hindi adaptation of Children's Depression Inventory: Establishing psychometric properties with Indian children	Dr. Uday K. Sinha
10.	Ms. Ritu Pandey	Life satisfaction and death anxiety among elderly people suffering from depressive disorder	Dr. Uday K. Sinha
11.	Ms. Sanimar Kochhar	Self concept, motivational deficits, and reaction to stigma in paranoid schizophrenia: a quantitative and qualitative analysis	Dr. Uday K. Sinha
12.	Ms. Sayma Jameel	Attitude of undergraduate nursing students towards mental illness before and after exposure in mental health setting	Dr. Naveen Grover

13.	Ms. Shefali Singh	Study of illness experience and experience of stigma in chronic schizophrenia	Dr. Uday K. Sinha
14.	Ms. Soshomi Makang	Role of meta-memory and self efficacy within social cognitive framework among healthy late adults	Dr. Vibha Sharma

Publications:

Paper in National Indexed Journals:

- Bansal, S., Gupta, S. K., Kar, S. K., Singh, P., Kumar, D. & Sinha, U. K. (2015). A rare case of very early onset obsessive compulsive disorder with co-morbid agoraphobia. *Journal of Indian Association of Child & Adolescent Mental Health*, Vol. 11 (2), 158-169.
- Sharma, U. & Sinha, U. K. (2015). Perceived expressed emotion and hopelessness in patients of depression. *Indian Journal of Clinical Psychology*, Vol. 42 (2), 122-128.
- Jalan, R. K., Adhikari, J., Belbase, M., Khan, T. A., Gupta, V. & Sinha, U. K. (2015). Parents' perceived behavioural problems in the persons with mental retardation: an analysis of parents' need. *Journal of Nepalgunj Medical College*, Vol. 13 (1), 8-12.
- Mishra, R., Kar, S. K., Goyal, P., Kumar, D., Sinha, U. K. & Gupta, S. K. (2016). Gender identity disorder in an adolescent boy: an attribution of adverse childhood experience. *Journal of Indian Association of Child & Adolescent Mental Health*, Vol. 12(4), 336-344

- Sharma, R., Jagadeesh, H. G., Bathi, R. J. & Sinha, U. K. (2014) Psychological risk factors for chronic apical periodontitis: a cross sectional study. Indian Journal of Dental Advancement, Vol. 6 (4), 1664-1668.

Book/ Chapters/ Monograph/ Guideline:

- Dr. Uday K. Sinha and Dr. Naveen Grover contributed as expert members in preparation of a Training Manual for Psychologists and a guide for Life Skills Training for Ministry of Health & Family Welfare, Govt. of India under NMHP activities.

Workshop/ CME/ Training Program

A yearlong Continued Training Program for Educational Vocational Guidance Counselors working in Govt. schools of Delhi conducted by the Department of Clinical Psychology in collaboration with Directorate of Education, GNCTD.

Presentations in Conferences/ Workshops/ Training Program/ CME:

- Dr. Uday K. Sinha participated as faculty in a seminar on "Problems of substance Abuse in Youths" organized by Department of Psychology, Meerut College, Meerut in the month of Feb 2016.
- Dr. Uday K. Sinha participated as faculty in the Continued Rehabilitation Education (CRE) organized by Department of Psychology & Mental Health, Gautam Budha University, Greater NOIDA in the month of March 2016.
- Dr. Uday K. Sinha participated as faculty in CME on Revising Women's Mental Health organized by Department of Psychiatry, LHMC, New Delhi in August 2015

- Invited to deliver a lecture on "Status of Clinical Psychology in India" on 10th May, 2016, in National Annual Conference of National Academy of Psychology organized by Centre for Cognitive Defense Institute of Psychological Research (DIPR), DRDO, Delhi.
- Dr. Naveen Grover Conducted PhD vivas in AIIMS Delhi in May 2015 & July 2015
- Dr. Naveen Grover invited for Doctoral Committee meeting at AIIMS Delhi in 2015.
- Dr. Naveen Grover presented paper on cognitive behavior therapy at Annual Conference of NAOP at Bhopal in Dec 2015.
- Speaker in a symposium on 'Clinical supervision in psychotherapy: Different perspectives' at NACIACP at Imphal in Feb 2016.

DEPARTMENT OF PSYCHIATRIC SOCIAL WORK

The department of Psychiatric Social Work is engaged in providing various psychosocial interventions to clients with psychiatric and neurological disorders both at the Out Patient and in patient level. The activities are mainly focused on the Psycho-social assessment of the patients and their families, designing individualized and comprehensive treatment plan and providing the appropriate social work interventions. The department as a part of the multidisciplinary set up, works with individuals, formal and informal caregivers of patients, their family members, communities & groups, and also various governmental and non-governmental organizations. The services aim at assessing the strengths and abilities of mentally/neurologically ill persons and their families and providing them with crisis-intervention, psycho-education, life skills/ social skills training and rehabilitation counselling. The department is actively involved in resource mobilization and has tapped various community resources for the welfare and benefit of the patients.

The department is actively involved in finding solutions to various psychosocial and legal problems pertaining to the different clientele by conducting individual, group and family sessions, conducting home visits, establishing collateral contacts and networking with various welfare and legal agencies so as to help persons with mental illness lead a life of dignity and worth.

Rehabilitation being one of the core activities of Psychiatric Social Work profession,

the department is actively involved in the process of discharge of patients and their reintegration into the community/society. Rehabilitation of the patients is carried out upon assessment of the

available family/community resources, liaison with the families of such individuals, their employers, Governmental, non-governmental organizations and law enforcement agencies.

Hospital Services

The Department of Psychiatric Social Work actively engages in providing psychosocial care to patients and their family members both visiting the out-patient department as well as those admitted as in-patients. The Department provides a range of services such as Case Work and Group Work services, Family Intervention, Rehabilitation and other services like referral and liaison with various government and non-government organizations for the welfare of patients and their family members. In the year 2015-2016, the department has provided Case Work services both at the in-patient and out-patient levels. Case work that includes Psycho education, Life Skills Training and Crisis Intervention to 1933 in-patients and 3555 out patients, Group Work Services to 1023 in-patients and Family Intervention in the form of family assistance, counselling and Home Visits to 1593 family members at the in-patient level and 2812 at out-patient level. Similarly, psychiatric rehabilitation services were provided to 2608 in – patients and 3871 out- patients and referral and liaison services to 2202 patients and families both at the in-patient and out-patient level.. Other services such as guidance, general counseling, Income and Disability Assessment, Court visits and institutional and NGO visits were carried out for 1211 patients during the said year.

Specialty Clinics

The department also provides the above services to patients and family members visiting the Speciality Clinics such as Drug Addiction and Rehabilitation, Mental Retardation, Child and Adolescent Mental Health clinic run at the Institute. A total of 3386 persons were provided with de-addiction counseling, 231 clients with mental retardation and 300 clients and families with child and

adolescent mental health problems in these specialty clinics during the year 2015-2016.

Other Departmental Activities

- **Picnic for long-stay patients** – The department every year organizes picnic activities for long stay in-patients who are stabilized and fit to venture out with supervision. These picnics are planned to provide recreation, enhance social skills and facilitate reintegration back into the community. During this year the department organized two picnics to Lodi Gardens and Nehru Park during the winter season of 2015-2016.
- **National festivals** – The department routinely coordinates celebration of National Festivals in the institute. In the same lines, this year Republic Day and Independence Day were celebrated involving staff, students, patients and their families.
- **Technical support** – As an integral part of core team of professionals from IHBAS, the department of Psychiatric Social Work has been involved in inspection of the services being provided by the mental health units at various government and non-government homes for women children.

Teaching And Training

- The department provides Field Work and Block Placement training to Postgraduate and Graduate students of Social Work from various Institutes or Universities all over India. Nearly 10 students have undergone their training in the Department for the year 2015-2016.

Seminars/ Symposia/conferences Attended / Papers Presented

Dr. Jahanara M. Gajendragad, Dr. Sangeeta Kumari, Dr.Pravin B. Yannawar, Himanshu Kumar Singh and Dr. Sushma Kumari attended the National Workshop on Research Methodology in Psychosocial Issues held at NIMHANS, Bangalore from 8th to 10th February, 2016.

Workshops/ Public Seminars/ Meetings Conducted/ Participated In:

- Conducted a one day workshop held for Counsellors of United Nations High Commission for Refugees on 'Understanding the Psychosocial Issues of Refugees, Mental Health Referral and dealing with One's Burn Out' 31st July, 2015 at BOSCO, Vikaspuri, Delhi
- Dr. Jahanara M. Gajendragd, Dr. Sangeeta Kumari, Dr. Saswati Chakraborti, Dr. Sampa Sinha and Dr. Sushma Kumari attended a One- day Workshop on 'Modalities for Running Half Way/ Long Stay Homes and Day care Centres' held on 16th October, 2015 at Delhi Secretariat.

Invited As Experts/ Resource Persons

- Invited as Expert to participate in the meeting organised at NIHFW in collaboration with NMHP & WHO to develop a Manual for Social Workers on 1st December, 2015
- Invited to attend the M.Phil (P.S.W) I Supplementary Examination as External Examiner at Central Institute of Psychiatry, Ranchi 12th January, 2016.
- Invited as Expert to participate in the Consultative meeting

on "Expanding opportunities for differently abled women" being organized by National Commission for Women held on 2nd December, 2015 at Vigyan Bhavan, Delhi.

- Invited as a speaker at the 3rd National Seminar of All India Association of Medical Social Work Professionals on "*Social Work Practices in Health Care: Emerging Health Issues among Women*", scheduled to be held from 26th -27th March 2016, at Safdarjung Hospital, New Delhi.
- Was a Ph.D examiner for one candidate of the dept. of Psychiatric Social Work, NIMHANS, Bangalore in April 2015.
- Was a Ph.D examiner for two candidates at Tata Institute of Social Sciences, Mumbai in May, 2015.

Publications

- Jahanara M. Gajendragad, (2015). Struggles of Women with Mental Illness. *IOSR Journal of Humanities and Social Sciences*, 20(4, 1), 37-41.
- Sangeeta Gotewal, Jahanara M. Gajendragad, Pravin B. Yannawar and Aldrin Anthony Dung Dung (2015). Psycho-social Stressors and pseudoseizure-A Case Report. *IOSR Journal of Humanities and Social Sciences*, 20(4, 1), 48-51.
- Saswati Chakraborti and Jahanara M. Gajendragad, (2015). Reintegration of Mentally Ill Persons Into Community-Strengthening Social Network. *IOSR Journal of Humanities and Social Sciences*, 20(4, 1), 52-55
- Pravin B. Yannawar, Jahanara M. Gajendragad, Sangeeta

Gotewal and Shashi Bhushan Singh (2015). Comparative Study of Perception of Stigma among Caregivers of Persons with Bipolar Affective Disorder and Schizophrenia. *IOSR Journal of Humanities and Social Sciences*, 20(4, 2), 01-06.

- Sushma Kumari and Jahanara M. Gajendragad, (2015). Strengths Based Approach in Psychiatric Social Work – A Case Report. *IOSR Journal of Humanities and Social Sciences*, 20(4, 3), 01-04.

DEPARTMENT OF NEUROCHEMISTRY

The Neurochemistry Department was established with the objective of providing routine and specialized investigative facilities in diagnosis and management of Neuro-psychiatric disorders. In last 10 years, the Neurochemistry laboratory was upgraded from semiautoanalyser to fully automated auto analyser. The complete automation of the laboratory led to improved performance of the biochemical testing. The department initiated Internal and External Quality Assurance Program to further improve the quality of the laboratory, so that its performance matches with the various laboratories at national and international level. Neurochemistry department has upgraded its laboratory as per requirement of the institute. The thyroid hormone assay was upgraded from ELISA to ECLIA. It has also started the screening for metabolic disorders, in addition to specialized tests required specifically in the neuropsychiatric setting.

Overview of the Scope of services

The Department extends various biochemical investigations to patients attending IHBAS for treatment. The routine investigations performed in the lab are blood glucose, kidney function tests, liver function tests, lipid profile, uric acid, calcium, phosphorous, chloride, CPK isoenzymes, electrolytes, CSF biochemistry, 24 hours urinary protein, creatinine clearance, glycosylated haemoglobin, gamma glutamyltransferase, amylase, lipase and acid phosphatase. Specialised investigations performed are Thyroid function tests, folic acid, Vitamin B-12, ammonia, lactate, copper and screening for aminoacidurias.

Highlights of major achievements

Patient care services

Neurochemistry department has upgraded its Fully Automated

Biochemistry Analyser. Now the laboratory has Beckmann Coulter AU 480 autoanalyser from Olympus Pvt. Ltd. This is a higher and latest version of previous autoanalyser.

Teaching and Training

- nNOS and iNOS gene polymorphism & expression in Zebrafish model of AD, funded by DBT under BIO-Care scheme.(Closed)
- Ph.D thesis entitled "Comparative Evaluation of Newer Biodosimetric approaches to assess Acute Radiation Damage" is going on in the department under Delhi University.(Submitted in Jan.2016).
- Ph.D thesis entitled "A study on iron overload in Neurodegenerative Disorders: Parkinson's Disease" is going on in the department under Santosh University, Ghaziabad.
- The department is actively involved in teaching and training of B.Sc and M.Sc. (Biotechnology) students as part of their summer training/dissertation program.
- The department has also been involved in teaching of M.Phil. (Clinical psychology) students.

Research

Thesis

- **Ph.D thesis (Submitted):** "Comparative Evaluation of Newer Biodosimetric approaches to assess Acute Radiation Damage" under University of Delhi
- **Ph. D thesis (on going):** "A study on iron overload in

Neurodegenerative Disorders: Parkinson's disease" under Santosh Medical University, Ghaziabad.

- **MD thesis (on going)** "A study of serum lipid profile in patients with dementia & its comparison with non-demented controls "under University of Delhi.
- **MD thesis (on going)** "A study of serum copper & zinc levels in patients with dementia of Alzheimer's type (DAT) & its comparison with patients of vascular/mixed dementia" under University of Delhi.

Projects

- nNOS and iNOS gene polymorphism & expression in Zebrafish model of AD, funded by DBT under BIO-Care scheme. (Closed)
- Comparative Evaluation of Newer Biodosimetric approaches to assess Acute Radiation Damage funded by ICMR (Submitted)

Dr. Neelam Chhillar

Associate Professor and HOD

Publications

- S Soni, P Agrawal, N Kumar, G Mittal, DK Nishad, NK Chaudhury, A Bhatnagar and N Chhillar. Salivary biochemical markers as potential acute toxicity parameters for acute radiation injury: A study on small experimental animals. *Hum Exp Toxicol.* 2016. Vol. 35(3) 221–228

- Sandeep Soni, Priyanka Agrawal, Neeraj Kumar, Aseem Bhatnagar, Neelam Chhillar. Multiple parametric approaches to assess acute radiation lung injury: an experimental study in sprague dawley rats. *Ukrainian journal of biochemistry (accepted for publication)*

Participation in International/National Conferences)

- 28th Annual Conference of ISARCON 2015 held at HIMSER, Jamia Hamdard, New Delhi on 29th to 31st Oct 2015.
- 23rd Annual National Conference of Association of Medical Biochemists of India, AMBICON 2015 held at Pt. BDS PGIMS Rohtak on 19th to 22nd Nov.2015.

Dr. Rachna Agarwal

Associate Professor

Papers Published:

- Sharma S, Tabassum F, Dwivedi P, Agarwal R, Kushwaha S, Bala K, Grover S, Baghel R, Kukreti R & Tripathi CB. Critical appraisal of serum phenytoin variation with patient characteristics in a North Indian population. *Neurol India* 2015; 63:202-8.
- Agarwal R, Talwar P, Kushwaha SS, Tripathi CB & Kukreti R. Effect of apolipoprotein E (APO E) polymorphism on leptin in Alzheimer's disease. *Ann Ind Acad Neurol* 2015; 18:320-326.
- Talwar P, Sinha J, Grover S, Rawat C, Kushwaha S, Agarwal R, Taneja V & Kukreti R. Dissecting Complex and Multifactorial Nature of Alzheimer's Disease Pathogenesis: a Clinical, Genomic, and Systems Biology Perspective. *Mol neurobiol* 2015; DOI 10.1007/s12035-015-9390-0.

- Talwar P, Sinha J, Grover S, Agarwal R, Kushwaha S, Srivastava MVP, Kukreti R. Meta-analysis of apolipoprotein E levels in the cerebrospinal fluid of patients with Alzheimer's disease. J Neurological Sci. 2016; 360:179–187.

Conferences attended:

- National Conference on 'Student Driven Research for Inspired Learning' in Maharaja Agrsen College, delhi University, New delhi on 16-17 October, 2015 & invited lecture on 'Real Time PCr & it's role in Molecular Diagnostics'.
- 42nd national Conference of Association of Clinical Biochemists of India, ACBICON 2015 organised by Department of biochemistry, Post Graduate Institute of Medical Education & Research, Chandigarh on 25-28 November, 2015.
- 5th Annual Meeting of Indian academy of Biomedical sciences, IABS 2016 organised by Department of Biochemistry, Medanta- The Medicity, Gurgaon on 26- 28 February, 2016.

DEPARTMENT OF MICROBIOLOGY

The department of Microbiology at IHBAS was conceptualized to establish clinical services in diagnostic microbiology as well as to deal with the understanding of pathogenesis of CNS infections due to variety of neuropathogens namely bacteria, viruses, parasites and fungi. The department has the following objectives:

- To provide clinical diagnostic services in microbiology and thus contributing to clinical management of CNS infections
- To impart teaching and training to PG resident doctors, nursing and paramedical professionals
- To conduct applied research with special reference to infections of the CNS and Neuropsychiatric disorders
- To plan, organize, implement and integrate infection prevention and control practices for all health care activities in the hospital

First few years of its inception saw its growth in terms of planning and organization of manpower, and other resources including physical space for laboratories. Since then the department has been evolving through the phases from a hospital diagnostic laboratory to a tertiary care diagnostic and reference laboratory in microbiology coupled with teaching, training and research components. At present the department is well equipped and has separate well developed diagnostic sections for Bacteriology; Mycobacteriology; Serology, Immunology and HIV; Parasitology and Mycology; and for Molecular microbiology.

The department focuses at providing quality clinical diagnostic services in microbiology coupled with Continuous Quality Improvement in order to meet all diagnostic needs of the institute for a variety of neuropathogens. For this the department has also

been participating in some external quality assurance programs. Since 2008, the molecular microbiology section of the department has been serving as a reference laboratory for HIV viral load monitoring for the designated ART centres of NACO for the second line ART therapy. With this collaboration with NACO, the department is also making an active contribution towards the national health program (NACP) of India.

Another key activity of the department is leadership, coordination and implementation of Infection Prevention and Control (IPC) program including Biomedical Waste Management (BWM) at IHBAS by which it is contributing not only to environment, health care worker and patient safety but also to achieving quality health care at IHBAS.

The department actively contributes in teaching and training program for PG resident doctors, nurses and laboratory professionals. In addition the department conducts teaching and training activities in Infection Prevention and Control and BWM for all health care professionals at IHBAS.

Over the past several years, the department has been involved in various in-house applied research activities. Since the past three years the research work was being conducted on the ICMR funded extramural multicentric research project on 'Molecular diagnosis and characterization of drug resistance genes in M. tuberculosis from patients of TBM and its correlation with host factors' in collaboration with department of Neurology, IHBAS and other departments of prestigious hospitals in Delhi. The project was successfully completed and the report was submitted to the ICMR in this year.

An overview of the Scope of Services

- Conventional and molecular diagnostic services for variety of

pathogens responsible for CNS and other bodily site infections

- Infection Prevention and Control including BWM and surveillance of health care associated infections
- Teaching and training to PG resident doctors, nursing and paramedical professionals
- Applied research with special reference to infections of the CNS and Neuropsychiatric disorders

Highlights of major achievements so far:

Patient care services

- The department is well equipped and has separate well developed diagnostic sections for Bacteriology; Mycobacteriology; Serology, Immunology and HIV; Parasitology and Mycology; and for Molecular microbiology. In the year 2015-16 the department conducted about 21864 diagnostic tests on 9677 samples for diagnosis of CNS and other bodily site infections.
- The molecular section of the department is also serving as a reference laboratory for HIV viral load monitoring for NACO's designated ART centers. The reference laboratory conducted HIV viral load assays for monitoring viral load from first line ART failure patients during the year.
- The department continues to coordinate and implement Infection Prevention and Control (IPC) program including Biomedical Waste Management (BWM) at IHBAS by which it is contributing not only to environment safety, health care worker safety and patient safety but also to helping in achieving quality health care services at IHBAS.

Teaching and training

- Participated in institute's teaching and training program for PG residents, and conducted training program for nursing and paramedical professionals in infection prevention and control and BWM.
- Conducted departmental teaching activities for senior resident and supervised training for paramedical trainees during the year.

Research

The ICMR funded multicentric research project on 'Molecular diagnosis and characterization of drug resistance genes in M. tuberculosis from patients of TBM and its correlation with host factors' was successfully completed during this year. Conventional, Nested and Real-Time PCRs for mpt64 and IS 6110 genes were standardized using H37Rv culture and later evaluated on confirmed suspected and probable CSFs from TBM patients. CSF samples were also tested for first line anti-tubercular drug susceptibility in parallel using BACTEC MGIT 960 system and by multiplex PCR line probe assay (Genotype® MTBDR plus assay). Results of the study were compiled and the full report was submitted to the ICMR.

Future plans (immediate)

- Sustaining and strengthening of existing services
- Working towards a comprehensive solution for diagnosis of tuberculous meningitis and molecular basis of drug resistance in tuberculosis meningitis
- Establishing diagnosis of Acute Encephalitis Syndrome by molecular methods with focus on diagnosis of HSV encephalitis

Publications:

Publications in Scientific Journals:

- Gupta R, Thakur R, Jalan N, Pumanshi R, Paul M, Kushwaha S. Comparative evaluation of in-house Real time IS 6110, nested MPT 64 PCR and Roche AMPLICOR 16s rRNA PCR for diagnosing tuberculous meningitis. International Journal of Infectious Diseases 2016; 45(1): 33.
- Gupta R, Thakur R, Gupta P et al. Evaluation of Geno Type MTBDR*plus* line probe assay for early detection of drug resistance in tuberculous meningitis patients in India. Journal of Global Infectious Diseases 2015; 7: 5-10.

Others (Manuals/Reports/Newsletters)

- HIC Newsletter – half yearly publication
- Microbiology Newsletter – half yearly publication

Contributions:

Participation in International/National Conferences

- Dr. Renu Gupta participated in Clinical Infectious Diseases conference held from 21-23 August 2015 at India Habitat centre, Delhi.
- Dr. Rajeev Thakur and Dr. Renu Gupta participated in International conference on hospital waste management and infection control (ISHWMCON) held from 14-15 November 2015 at AIIMS, Delhi,
- Dr. Rajeev Thakur participated in Annual National conference of Indian Association of Medical Microbiologists (MICRCON 2015), from 25-29 November 2015 at JIPMER, Pudducherry.

- Dr Renu Gupta participated in 7th Annual conference of Indian Association of Medical Microbiologist-Delhi Chapter held from 10-12 December 2015 at India Habitat centre, Delhi.
- Dr. Rajeev Thakur and Dr. Renu Gupta participated in International conference of Infectious Disease (ICID 2016) held from 2-5 March 2016 at Hyderabad.
- Dr. Rajeev Thakur and Dr. Renu Gupta participated in quarterly meets of IAMM Delhi Chapters, held at New Delhi.

Papers presented and Abstracts published:

- Gupta Renu, Jalan Nupur, Thakur Rajeev et al. Clinical and laboratory characteristics associated with adverse outcome in patients of tuberculous meningitis at 6 month follow up: A multi centric study from Delhi, India in CIDSCON held in Delhi from 21-23 August 2015.
- Gupta Renu, Thakur Rajeev, Jalan Nupur et al. Comparative evaluation of in-house Real time IS 6110, nested MPT 64 PCR and Roche AMPLICOR 16s rRNA PCR for diagnosing tuberculous meningitis held from 2-5 March 2016, Hyderabad.

Awards/Honours/Examinership

- Dr. Rajeev Thakur contributed as nodal officer for Kayakalp Program (a state health mission initiative of GOI) under which IHBAS was ranked third among all Delhi state public hospitals and IHBAS was commended and rewarded for its efforts.
- Dr. Rajeev Thakur was invited as a Temporary adviser to WHO EMRO for an international Scientific Meeting on MERS from 1-7 may 2015 at Cairo.

- Dr. Rajeev Thakur chaired a session on CNS Infection in MICROCON 2015 at JIPMER Puducherry.
- Dr. Rajeev Thakur was invited as an external expert for NACO's meetings during the year 2015-16.
- Dr. Renu Gupta was invited as an external examiners for conducting 2nd MBBS Professional Examination in Microbiology in January 2016 by Himalayan Institute of Medical Sciences, Jolly Grant, Dehradun.
- Dr. Renu Gupta served as an external expert for the selection committee of DSACS technical officer in state reference laboratory on 22 April 2015.
- Dr. Renu Gupta delivered a Guest lecture on "Diagnostic evaluation of infectious encephalitis" in CME on Neuroinfectious Disease conducted by Metropolis at IHBAS on 9 November 2015.
- Dr. Renu Gupta served as a question paper setter for Post doctoral certificate course on hepatovirology for Institute of Liver and Biliary Sciences. · Professional affiliations

Dr Rajeev Thakur:

- Indian Association of Medical Microbiologists (IAMM) and Delhi State Chapter of IAMM
- International Society of Infectious Diseases (ISID)
- Hospital Infection Society of India (HISI)
- Alliance for Prudent Use of Antibiotics (APUA)
- Japan International Cooperation Agency (JICA), India

- WHO Temporary Adviser for IPC Training Program
- Faculty of Management Studies (FMS) Alumni Association of India

Dr. Renu Gupta:

- Indian Association of Medical Microbiologists (IAMM) and Executive Member of Delhi State Chapter of IAMM
- Hospital Infection Society of India (HISI)
- BWM Society of India
- Indian Medical Association (IMA)
- International Society of Infectious Diseases (ISID)
- International union against tuberculosis and lung diseases

New initiatives (Patient care services, Academic courses/ Research activities)

Work on ICMR funded multicentric research project on 'Molecular diagnosis and characterization of drug resistance genes in M. tuberculosis from patients of TBM and its correlation with host factors' was completed in 2015-16 with Dr. Renu Gupta and Dr. Rajeev Thakur as main investigators from the department of Microbiology in collaboration with department of Neurology, IHBAS and other departments of prestigious hospitals of Delhi. Conventional, Nested and Real-Time PCRs for mpt64 and IS 6110 genes were standardized using H37Rv culture and later evaluated on confirmed, suspected and probable CSFs from TBM patients. CSF samples were also tested for first line anti-tubercular drug susceptibility in parallel using BACTEC MGIT 960 system and by multiplex PCR line probe assay. Results of the study were compiled and the full report submitted to the ICMR.

DEPARTMENT OF PATHOLOGY

Diagnostic Pathology services were started in 1996. The challenge was to develop the Pathology laboratory services in a manner which was strongly aligned to the specific current and projected needs of IHBAS- a tertiary care neuropsychiatry institute, then in its infancy. Articulating the blueprint for the role of department of Pathology within the larger framework of patient care services, teaching-training and research activities at IHBAS, involved planning not only for infrastructure, equipments and human resource needs but, more importantly, laying meticulous guidelines for all laboratory testing started then and envisaged to come up in future. Because of the uniqueness of the institute, the roadmap was different from other mainstream laboratories. It had to be supported by a constant process of learning and growing together by the laboratory staff.

The aim, during initial years, was to make IHBAS self reliant enough so as not to need diagnostic support from other hospitals or laboratories for basic investigations. Till then liaison with neighboring Guru Teg Bahadur (GTB) Hospital had been made for diagnostic services. All laboratory services were housed in one of OPD rooms. Humble beginning was made and basic hematology and fluid analysis tests were started. Cerebrospinal fluid cytology analysis was made available for the first time at IHBAS. Even during the early years, the policy of reporting urgent investigations 'As Soon As Possible' was adopted. Emphasis on quality was underscored by enrolling in 1998 for the External Quality Assurance Program for Hematology (EQAP-H) conducted by AIIMS. The policy has been continued till date without a break. Remarks such as "*one of the only two participants to have correct approach to diagnosing the case*" from EQAP-H during the early formative years were an assurance that we were on the right track.

The department of Pathology was accommodated in the Old Building in 1999-2000 and had one whole room to itself! The department became relatively better equipped in terms of instrument, reagent and chemical availability. More specialized hematology tests eg Prothrombin time (PT/PTTK), sickling test, screening for thalassemia and G6PD deficiency, LE cell phenomenon, and bone marrow aspirate examination were added.

After the basic hematology and cytology diagnostic facilities were in place and a self-reliant laboratory established, efforts to establish histopathology services specifically for patients with neuromuscular disorders and central nervous system lesions were started in 2002-2003. Faculty members of the department have trained at Department of Neuropathology, NIMHANS, Bangalore and Institute of Myology, Paris, France to further this aim. Histopathology diagnostic work up now includes routine and special stains, enzyme histochemistry, immunohistochemistry. Facility for semi thin sections and fluorescent in situ hybridization has also being standardized. The department began intra operative neurosurgical reporting 2004-2005 onwards. Referral services for patients from other government hospitals were also started. Department moved to its current premises in 2007 and has adequate space and equipments to cater to all the diagnostic pathology needs of IHBAS. A Blood Storage Unit has been started by the department in 2012.

Well trained technical staff has always been recognized by us as an indispensable asset in quality diagnostic care. The staff is constantly oriented and trained to the changing needs and growth of the institute. Much of the specialized skills which the staff now has, have been acquired while in service. It was a matter of achievement when our laboratory assistants cleared the Indian Academy of Cytology Cytotechnology examination. One of our laboratory assistants was awarded 3rd prize for paper presentation at All India Medical Laboratory Technologists Association in 2005.

The department has further benefited by the initiative taken by the institute to get its services accredited by NABH. All aspects of laboratory testing i.e pre analytical, analytical and post analytical now conform to the NABH standards.

From making available very basic hematology investigations at IHBAS to starting referral services for other hospitals has been a challenging, but fulfilling journey for the department of Pathology. The staff, including faculty members, have continuously trained and evolved to the specific diagnostic pathology needs of the institute. Effort, all the while, has been to keep a focus on quality.

Staff Details

Faculty

- Dr Sujata Chaturvedi (Professor and Head), joined on 20.9.1996 as Assistant Professor
- Dr Anshu Gupta (Associate Professor), joined on 21.2.2007 as Associate Professor
- Dr Ishita Pant (Assistant Professor), joined on 28.1.2009 as Assistant Professor

Technical Staff

- Mr Prashant Shende (Laboratory technician), joined on 17.3.1998 as Laboratory assistant
- Ms Meetu Raj (Laboratory technician), joined on 28.11.2002 as Laboratory assistant
- Ms Kavita Dhaiya (Laboratory assistant), joined on 1.3.2007 (contractual staff)

- Mr. Anil Pahal (Laboratory assistant), joined on 3.9.2008 (contractual staff)
- Ms Poonam Rana (Laboratory assistant), joined on 29.3.2010 (contractual staff)
- Ms Kirtika (Laboratory assistant), joined on 25.2.2013 (contractual staff)

An Overview Of The Scope Of Services

Hematology

Routine hemogram and all blood cell indices and counts, Reticulocyte count, ESR, Blood Group, Peripheral smear and Bone marrow aspirate examination, Bleeding time/Clotting time, coagulation profile (PT/PTTK/INR), screening for thalassemia, G6PD deficiency and sickle cell anemia.

Cytology

Fine Needle Aspiration Cytology (FNAC)

Exfoliation and Fluid Cytology

Histopathology

The department specializes in the diagnostic work up of patients with neuromuscular disorders and tumorous/non tumorous lesions of the brain. Facilities available are:

- Intra operative reporting in neurosurgical cases (frozen section and squash smears)
- Formalin fixed paraffin embedded sections

Muscle

- Routine and Special stains (Modified Gomori's trichrome, Oil Red O)
- Enzyme histochemistry (Succinic Dehydrogenase, Nicotinamide adenine dinucleotide dehydrogenase, Adenine trinucleotide Phosphatase)
- Immunohistochemistry (Dystrophins, Sarcoglycans, Merosin, Emerin, Dysferlin)

Nerve

- Routine and special stains (K-Pal for myelin, Masson's Trichrome)
- Immunohistochemistry: Neurofilament Protein (NFP), Myelin Basic Protein (MBP)

Central Nervous System (CNS) lesions

- Routine and special stains: Periodic acid Schiff (PAS), Ziehl Neelsen (ZN), AgNOR etc.
- Immunohistochemistry (GFAP, NSE, NFP, S 100, synaptophysin etc.)

Highlights Of Major Achievements So Far

Patient care services

During the one year 68985 investigations were conducted on 26853 patients. Approximately 161 referred samples were also received from other government hospitals for neuropathology work up.

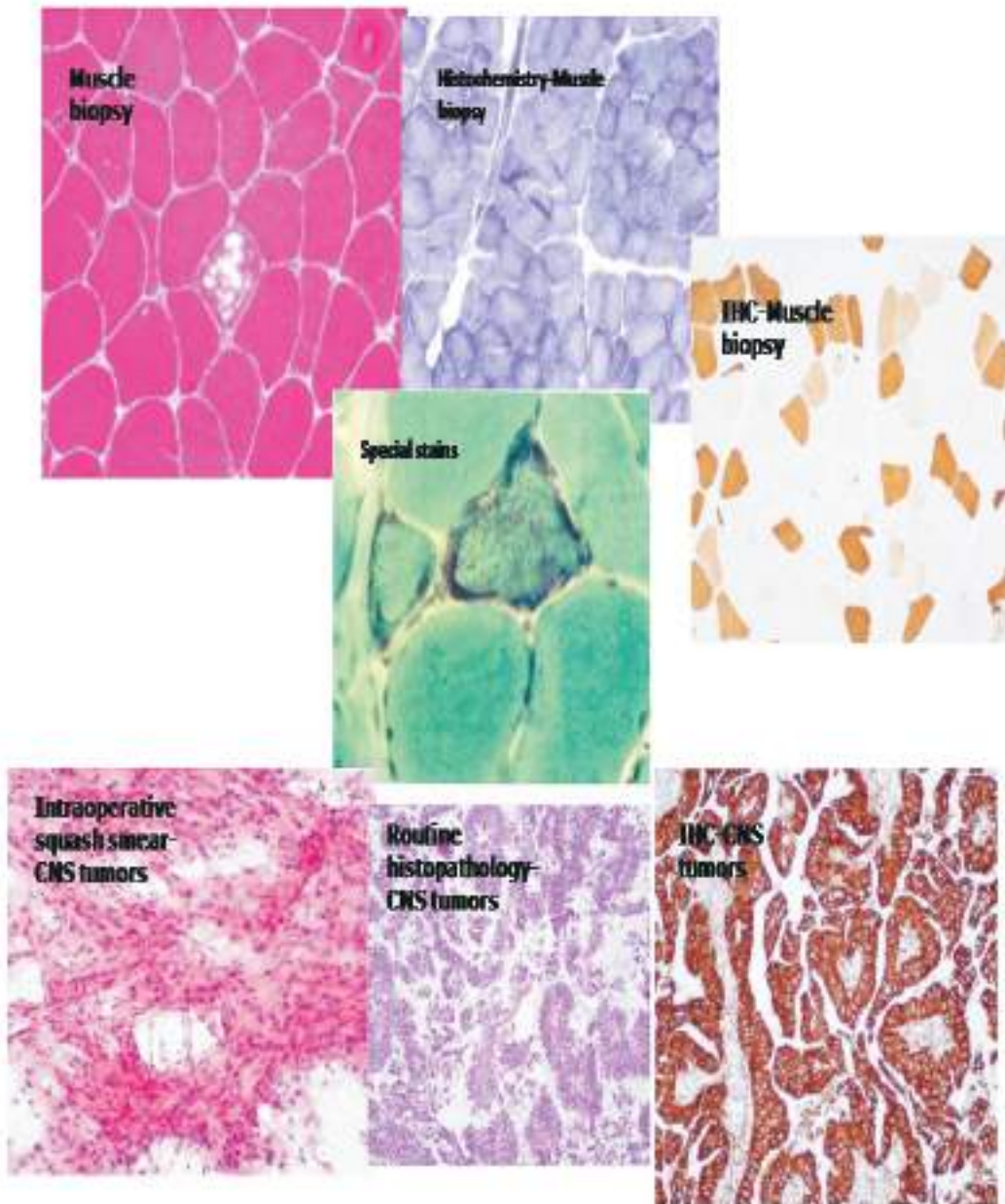
Facilities for the following tests are available: Hematology- Hemogram with ESR, cell counts, packed cell volume, mean corpuscular volume, mean corpuscular hemoglobin, mean corpuscular hemoglobin concentration, erythrocyte sedimentation rate, reticulocyte count, osmotic fragility test, sickling test, screening for G6PD deficiency, blood group, bleeding and clotting time, blood and bone marrow examination; Cytology- Fine Needle Aspiration Cytology and body fluid analysis (Urine, CSF, pleural and ascetic fluid); Histopathology- diagnostic facilities for neuromuscular disorders and CNS tumours. This includes enzyme and immunohistochemistry on a regular basis. Lately Blood Storage Unit (BSU) has also been started.

The department follows a policy of proactively informing critical and significantly out-of-range values to the treating team. Indicators like turn around time for haematology as well as histopathology samples, number of reporting errors, adherence to safety precautions by employees are regularly monitored to observe and improve the overall laboratory functioning.

Teaching, Training & Research Activities

- Imparted teaching about Blood transfusion, Emergency Laboratory services and hands on training of sample collection to Nursing staff, technical staff and Resident doctors.

Facilities available



DEPARTMENT OF NEUROPSYCHOPHARMACOLOGY

The Dept. of Neuropsychopharmacology has the state of the art facility for therapeutic drug monitoring. Routine Therapeutic drug Monitoring (TDM) services were provided for Lithium & antiepileptic drugs namely phenytoin, carbamazepine, valproic acid, phenobarbitone, levetiracetam. In addition to the above facility for homocysteine levels is also provided by the department. TDM is a practical and invaluable tool in patient care & research. It can help the physician provide effective and safe drug therapy in patients who need medication. TDM is important to identify drug interactions, toxicity & for effective management of epilepsy & Bipolar affective disorder. The dept. is one of the major provider with lowest turnaround time of the TDM service in North India. In addition the department also providing plasma Homocysteine level estimation. During the period from 1st April 2014 till 31st March, 2015 a total of 6396 tests was done. The department is enrolled in the External Quality Assurance Program (RIQAS) from Randox.

- New courses/subjects introduced: NA
- Names of the students who have achieved academic distinctions (up to third position in the University in any course in the final year): NA
- Achievements in sports & extra-curricular activities at the University/Inter-University /Regional/National Level: NA
- Special grants/assistance/projects awarded to individual teachers:

Prof.(Dr.) Sangeeta Sharma

Research Projects by Prof.(Dr.) Sangeeta Sharma:

- A comprehensive pharmacogenetic study of ABC transporter genes implicated in response to anti-epileptic drugs.
- Thesis entitled "Comparative efficacy of IV levetiracetam and IV phenytoin in childhood seizures – a randomized control trial" registered in Department of Paediatrics, GTB Hospital registered under University of Delhi session: 2012 - 2015.
- Thesis entitled "Prothrombotic factors in megaloblastic anemia and effect of treatment" registered in Department of Paediatrics, GTB Hospital registered under University of Delhi session: 2012 - 2015.

Organization of CME Programmes/Workshops/ Symposia

(Prof.(Dr.) Sangeeta Sharma)

- Member Organizing Committee and faculty for a National Training Programme for Nurses on "Medication Safety and Rational Use of Medicines organized by DSPRUD from June 27-28, 2014 at New Delhi.
- Member Organizing Committee and faculty for a National Training Programme on "Promoting Rational Use of Medicines: Enhancing Access and Safe Use of Medicines: Role of Drugs and Therapeutic Committees" organized by DSPRUD and IHBAS from April 1-3, 2014 at New Delhi.
- Member Organizing Committee for a National Training Programme on Medication Safety in Hospitals: Role of Pharmacists organized by DSPRUD and IHBAS from February 13-14, 2014 at New Delhi.

Professional achievements

- Member, WHO Expert Advisory Panel on Drug Evaluation, Director General for Health Systems and Innovation World Health Organization (ePI-000868), since July 25, 2015.
- Certified External Assessor, National Quality Assurance Programme in Public Health facilities, Ministry of Health & Family Welfare, Government of India, 2015.
- Member Task force for Standard Treatment Guidelines, National Health Systems Resource Centre (NHSRC) and Ministry of Health & Family Welfare, Government of India, 2015.
- Member of the Accreditation Board, Healthcare Sector Skill Council (HSSC), 2014
- Member, Ethics Committee, National AIDS Control Organization (NACO), Ministry of Health & Family Welfare, Government of India from 2008 to till date.
- Chairperson Ethics Committee. Fortis Health Care Shalimar Bagh since 2013.
- Library development: NA
- Additions to the faculty (PERMANENT APPOINTMENTS ONLY): None
- Appointments of the faculty members to the higher posts/assignments outside the institution: NA

- Honours/distinctions received by faculty members at the International/National level: NA
- Seminars/conferences at the National/International level held by your college during the year (DO NOT MENTION POPULAR TALKS). None
- Participation of faculty in
- Faculty for a National Training Programme for Nurses on "Medication Safety and Rational Use of Medicines organized by DSPRUD from June 27-28, 2014 at New Delhi.
- Faculty for a National Training Programme on "Promoting Rational Use of Medicines: Enhancing Access and Safe Use of Medicines: Role of Drugs and Therapeutic Committees" organized by DSPRUD and IHBAS from April 1-3, 2014 at New Delhi.
- Resource person for International Rational Use of Medicines Course - Focus HIV, TB & Malaria organized by IIHMR Jaipur from January 5-16, 2015 at Jaipur.
- Resource person for International Course on Pharmaceutical Management in Hospitals, from November 3 to 7, 2014 at IIHMR, Jaipur.
- International Workshop on Achieving Better Health Outcomes through Accountable Care in India organized by Engelberg Center for Health Care Reform at Brookings on October 13, 2014 at New Delhi
- Invited lecture on 'Legal Issues in Research on Medically Unfit

Populations” at 2nd International Convention on Ethics in Research on Human Subjects; Evolving Norms and Guidelines for the Indian Context on September 2-4, 2014 at Jawaharlal Nehru University, Delhi.

- Resource Person for a 24th Batch of Post Graduate Certificate in Quality Management & Accreditation of Health Care Organization (QM&AHO), organized by Academy of Hospital Administration (AHA), held on March 18, 2015 at Noida.
- Resource person for 3rd Training Programme of the series on Quality Management Programme 2014-2015, for Senior Nursing Administrators, organized by Academy of Hospital Administration (AHA) from 23-28 Feb. 2015 at Noida.
- Resource person in an Interactive workshop on “Medication Safety” organized by National Accreditation Board for Hospitals and Healthcare Providers (NABH) February 14, 2015 at Delhi.
- Invited lectures for 1st MBA Hospital Administration organized by Academy of Hospital Administration (AHA) from Feb 7-15, 2015 at Noida.
- Invited lecture on “Use of Psychotropics: Challenges and Dilemma” at SUPER MEDCON 2014 organized by Indian Medical Association East Delhi Branch on November 2, 2014 at New Delhi.
- Invited lecture on 'Legal Issues Arising out of Research for medically Unfit Population” in second international
- convention on ethics in Research on Human Subjects

organized by Jawaharlal Nehru University from September 2-4, 2014 at New Delhi.

- Invited lecture on "Rational Use of Medicines" at SGT Medical College, Gurgaon on August 4, 2014.
- Invited lecture in Training programme on Pharmaceutical Policy Analysis on "Rational Use of Drugs" organized by PHFI, June 3-6, 2014 at NCR Delhi.
- Resource person in an Interactive workshop on "Medication Safety" organized by National Accreditation Board for Hospitals and Healthcare Providers (NABH) April 12, 2014 at Pune.
- Resource Person for a National Training Programme on "Promoting Rational Use of Medicines: Enhancing Access and Safe Use of Medicines: Role of Drugs and Therapeutic Committees" organized by DSPRUD and IHBAS from April 1-3, 2014 at New Delhi.
- Resource person for training programme for Nurses organized by Directorate of health Services and Delhi Society for Promotion of Rational Use of Medicines June 27-28, 2014 at New Delhi.
- Publications (please follow the format in Annexure-I, and list alphabetically by surnames of the teachers):

Publications of Prof (Dr.) Sangeeta Sharma:

Books

- Standard Treatment Guidelines: A Manual for Medical Therapeutics. Sangeeta Sharma, GR Sethi, Usha Gupta

(eds), Publisher Delhi Society for Promotion of Rational Use of Drugs and Wolters Kluwer Health, Delhi, 4th edition, 2015.

Chapter

- Sangeeta Sharma and Ranjit Roy Chaudhury. Rational Use of Medicines in Diabetes and Hypertension. In: Textbook of Chronic Noncommunicable Diseases: Health Challenge of the 21st Century, Narain JP and Kumar R (eds), Jaypee Brothers Medical Publishers, New Delhi 2015.
- Sangeeta Sharma. Promoting Rational Use of Medicines. YP Munjal (Editor) API Text book of Medicine 10th edition Published by the Association of Physicians of India 2015.
- Sangeeta Sharma. Clinical Pharmacology of Antiepileptic Drugs. Essentials of Paediatric Neurology, Academia Publishers, 2014.

Original Articles in International and national Journals

- Sangeeta Sharma, Fauzia Tabassum, Pradeep Dwivedi, Rachna Agarwal, Suman Kushwaha, Kiran Bala, Sandeep Grover, Ruchi Baghel, Ritushree Kukreti, Chandra B. Tripathi. Critical appraisal of serum phenytoin variation with patient characteristics in a North Indian population. Neurology India 2015; 63: 2 202-208.

Abstract

- Ruchi Baghel, Kiran Bala, Sandeep Grover, Harpreet Kaur, Ajay Jajodia, Shama Parween, Sangeeta Sharma, Achal Srivastav, Ritushree Kukreti. Interactive association of synaptic vesicle trafficking genes with idiopathic epilepsies in north Indian population presented at 10th Asian Oceanic Epilepsy Conference (AOEC) from 7th to 10th August 2014 at Singapore.

DEPARTMENT OF EPIDEMIOLOGY

Epidemiology department at IHBAS is presently represented by one Associate Professor and the department is providing academic and research support to various clinical and preclinical departments.

Teaching and Training

Dr. Sarbjeet Khurana

Involved in teaching and training of basic and applied aspects of epidemiology to the students of MD Psychiatry, DM Neurology, M.Phil Clinical Psychology and research staff in community projects.

Research

Dr. Sarbjeet Khurana

Co-supervisor in the following DM thesis:

- 'A study of predisposing factors, clinical profile and outcome of cerebral venous sinus thrombosis in a tertiary care hospital in North India.
- A study on clinical profile and prognostic factors in Status Epilepticus'.

Co-supervisor in the following MPhil thesis:

'Role of Metamemory and Self Efficacy within social cognitive framework among healthy late adults'.

Co-supervisor in the following research project

- Saving the brain- increasing awareness of thrombolysis

(Acute Stroke Management)among general physicians, health care workers and community, Funded by World Federation of Neurology

Symposia /Workshops/ Conference/ Training/CME

- Attended and Chaired the Oral Presentations on NCD's in the conference from 04th – 06th March 2016 at the IPHACON 2016 held at Himalayan Institute of Medical Sciences, Swami Rama Himalayan University, Jolly Grant, Dehradun, Uttarakhand, India.
- *Presented a paper 'Burden of CAD in adults of India: A systematic review' at the 43rd IAPSM Annual Conference from 7th Jan to 9th Jan 2016 at Gandhi Nagar, Gujarat, India - Got 2nd prize for oral presentations in NCD.*
- Attended an International Symposium on 'Impact of Chemical Exposures on Human and Environment' from 16-18 December 2015, at MAMC, New Delhi, India.
- Delivered a lecture on 'Burden and risk factors of Stroke' in the Public Awareness Program on the occasion of World Stroke Day on 29th Oct 2015 at IHBAS, Delhi, India.
- Attended the RNTCP Modular training from 20th April - 2nd May 2015 at NITRD, New Delhi, India

Professional affiliations

- Fellow of Royal Society of Public Health
- Member of 'International Epidemiological association"

- Member of "International Union against Tuberculosis and lung Diseases"
- Member of "World Medical Association"
- Life Member of "Indian Association of Public Health".
- Life Member of "Indian Association of Preventive and Social Medicine".
- Life Member of "Indian Journal of Preventive and Social Medicine".
- Member of the Project Review Committee of ICMR Hqrs, New Delhi for the area of Trauma, Accidents and Injuries.

Other achievements/administrative duties

- Officer-in-charge-II, Annual report of IHBAS
- Nodal officer for reporting of Notifiable diseases
- Nodal officer for control of Vector-borne diseases

Research Publications (Books/Monographs/Chapters in Books/Research)

- Gupta A, Chavi, Sarbjeet Khurana. Evaluation of total creatine kinase levels in a spectrum of neuropsychiatric disorders in a tertiary neurosciences centre. International journal of Medicine and Public health, Oct-Dec 2015 Vol 5 Issue 4,pg 362-366. DOI: 10.4103/2230-8598.165096

DEPARTMENT OF BIOSTATISTICS

The department of Biostatistics had been created since the inception of the institute. The department became functional after joining of a faculty member (Assistant Professor) in February 17, 2005. The department is establishing a computer centre to organized training program for statistical software.

Scope of the Department:

Biostatistics is the application of statistics to biology, medicine, public health and drug development. The subject is concerned with the design of experiments and surveys, the storing and organization of the data collected and their analysis and interpretation. The character and content of the discipline of Biostatistics has undergone a radical change during the last few decades. From being a passive and descriptive discipline, Biostatistics has emerged as a vigorous, dynamic and constructive instrument of decision making in the area of health and medical care. Powerful and sophisticated statistical techniques of planning and analysis of biological experiments and investigations, and application of operations research techniques in health care delivery have opened up new dimensions and capabilities in medical and health research. In this context, a medical person's training, particularly that of a medical/ health researchers, social scientists and demographer's would be considered incomplete today without a reasonable acquaintance with the potentialities of applications of bio-statistical techniques to enable him/her to plan his/her research studies with scientifically and statistically valid designs and to arrive at valid and meaningful conclusions applying appropriate statistical methods.

Highlights of Major Achievements:

Teaching and training:

The department is involved in teaching of Biostatistics and

Research Methodology to MD (Psychiatry), DM (Neurology) and M.Phil. (Clinical Psychology) scholars.

Research:

As Co-supervisor, supervised M.D. (Psychiatry) thesis entitled "Quality of life and Burden in the caregivers of patients with Dementia".

Future plans:

Department planning to start certificate course in near future for which proposal has already been submitted institutional Academic Committee.

Publications

Papers

International indexed journals

- Agarwal R, Tripathi, CB. Diagnostic utility of Amyloid & Tau in Dementia. Int J Alzheimer's Disease, 2011. Doi:10.4061/2011/503293.

National indexed journals

- Agarwal R, Chaturvedi S, Chhillar N, Goyal R, Pant I, Tripathi CB. Role of intervention on laboratory quality. Ind J Clin Biochem. 2011; DOI 10.1007/s12291-011-0182-7.
- Jain MK, Tripathi CB. Endotracheal tube cuff pressure monitoring during neurosurgery – Manual vs. Automated method. Journal of Anesthesiology Clinical Pharmacology July 2011; 27(3):358-61.
- Mitrabasu, Sripathy G, Ravishankar L, Chug PK, Chhillar N, Tripathi CB. Association of Diabetic Neuropathy with Clinical and Laboratory Parameters in Adult India Subjects. The Indian Practitioner 2011; 64(3): 139-44

Contribution

Presentation in International / National Conference (Abstracts published):

Paper titled "Diagnostic Utility of CSF tau and A β_{42} in dementia: A meta-analysis" presented in XXIX Annual Conference of Indian Society for Medical Statistics, organized by Department of Statistics, National Institute for Research in Tuberculosis, ICMR, Chetpet, Chennai, during November 03-05, 2011.

Guest lectures / Public lectures:

Taught, as Guest Faculty, 03 credit course of Biostatistics to M. Sc. (Immunology/ Virology) students of Amity Institute of Virology and Immunology, Amity University

Awarded / Honours :

Life Membership of International Epidemiological Association has been awarded.

Professional affiliation

- Nominated as Member of Scientific Advisory Committee of Desert Medicine Research Centre, Jodhapur, ICMR, New Delhi.
- Appointed as External Examiner by Controller of Examination, BHU, Varanasi, for the practical & viva-voce examination of M.Sc. (Health Statistics) semester-I, held on December 27, 2011.
- Appointed as External Examiner by Controller of Examination, BHU, Varanasi, for the practical & viva-voce examination of B.Sc. (Statistics) - III semester-I, held on April 30, 2011.

DEPARTMENT OF MEDICAL ANTHROPOLOGY

Department presented an abstract in a Panel "Medical Anthropology: Data Mining" in IUAES Inter-Congress-2016 World Anthropologies and privatization of knowledge: engaging Anthropology in Public organized from 4-9 May, 2016 at Dubrovnik, Croatia. Besides faculty of the Department participated in the seminars organized by Delhi University and GGSIP University, Delhi and presented in a paper on "Stroke: Loss of self and new neural Identities- A challenge to urban Life style" in the National Seminar on Anthropology of Cardiometabolic Adversities September 25-26, 2015 organised by Department of Anthropology, University of Delhi. Further another paper "Healing Mind: Indigenous healing Ways and Intellectual Property Right of People" was presented in National Seminar on Law and Policy Interface Vis-à-vis-Tribal Societies of India, November, 6th and 7th 2015 organised by GGIP University, Dwarka, New Delhi.

Publication

- Singh Ravinder, Upmesh Kumar and Ajita Rani (2013 2014/2015). *Do the Socio-cultural Determinants Affect the Treatment outcome? Exploring People Living with Epilepsy*. The Journal of IGRMS, Bhopal, *Humankind*, 2015 Vol. 9-10, pp 101-110. (ISSN 0973-3124)
- Singh Ravinder(2015).Climatic Change: Our National Plans and Convention on Climate Change. World Focus, special Edition on Climate Change. A *Premier Indo-Centric Foreign Affair Journal*, October, 2015 Vol. 48, 6:77-83.(ISSN 2230-8458)

- Singh Ravinder(2015). India's Children: In *Symposium on People of India*, Ed. by P C Joshi. Department of Anthropology of , University Delhi, Delhi. Pp32-34
- Singh Ravinder(2015). Impact of Climatic Changes in Himalaya: On the Margin in Anthropology! *NAM Today: An International Journal of New Age Mind*. Vol. 48,6:15-18.(ISSN 23-47-3193)
- Singh Ravinder; Akshi Duggal, Upmesh K. Talwar(2015). Ethnographic Studies on Alcoholism and Other Substance Uses. *Journal Of Contemporary Issues in Behavioral Sciences*, vol. 1(1),2015, pp 63-72
- Singh Avtar; Akshi Duggal and Ravinder Singh(2015). Elderly Abuse: Suffering in Silence - who is listening? Some Concern for Social Work Practices. *International Journal of Health*. 3(1)2015;14-19;doi: 10.14419/ijh.v3il.4497

Hospital Statistics at a glance

Outpatient statistics

Psychiatry Department

Distribution of cases in Psychiatry Department

Out Patient Services	Year-2014	Year-2015
Total patient	241193	266215
Old case	206515	232166
New case	34678	34049

Department of Neurology

Distribution of cases in Psychiatry Department

Out Patient Services	Year-2014	Year-2015
Total patient	174347	207999
Old case	142894	172452
New case	31453	35547

Department of Neurosurgery

Out Patient Services	Year-2014	Year-2015
Total patient	4931	5065
Old case	2822	3064
New case	2109	2001

Department of Psychiatry In Patient Statistics

Inpatient Services	Year-2014	Year-2015
Admission	2286	2334
Discharge	2287	2335
Bedsoccupancy rate(%)	93	93

Department of Neurology

Inpatient Services	Year-2014	Year-2015
Admission	1300	1287
Discharge	1313	1287
Beds occupancy rate (%)	74	71

Department of Neurosurgery

Inpatient Services	Year-2014	Year-2015
Admission	306	314
Discharge	313	319
Beds occupancy rate (%)	48	45

Emergency Services

	Year-2014	Year-2015
Total patient	33305	35366
Psychiatry	18964	18431
Neurology	14341	16935

Speciality Clinic Services

	Year-2014	Year-2015
Mental Retardation Clinic	11917	11438
Child Guidance Clinic	9943	9901
Neuro Behaviour Clinic	786	841
Movement Disorder Clinic	939	1160
Marital & Psychosexual Clinic	1289	1417
Tobacco Cessation Clinic	659	610
Epilepsy Clinic	1148	1307
Drug Abuse Treatment & Rehabilitation Centre	7048	7888

Department of Clinical Psychology

	Year-2014	Year-2015
Total Sessions Conducted	23899	28476
I.Q.Assessment	7440	6697

Other Services

	Year-2014	Year-2015
Physiotherapy Services	14069	12936
Occupational Therapy Services	4161	3751
Department of Psychiatric Social Work	24682	25306

Institute Community Out Reach Clinic

	Year-2014	Year-2015
Jahangir Puri Clinic	10869	11266
Chhattar Pur Village Clinic	5917	6432
Jama Masjid Clinic	2384	3114
Dwarka Clinic	5223	5335
Moti Nagar Clinic	4816	5444
Timar Pur Clinic	2782	3588

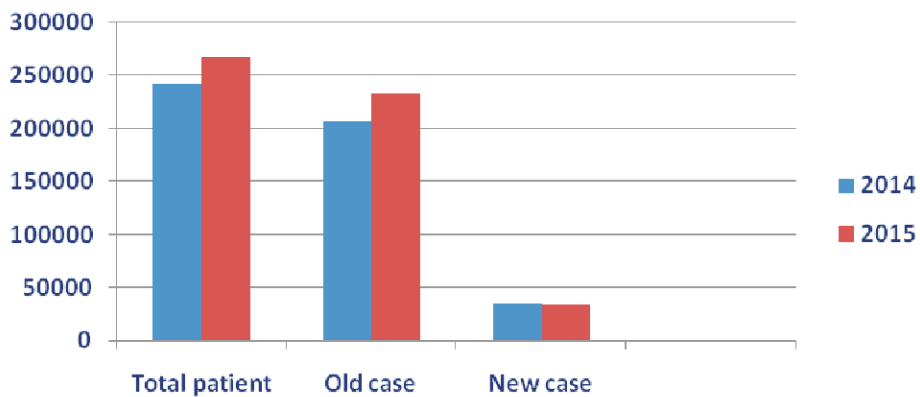
Department of Electrophysiology

Laboratory Services	Year-2014	Year-2015
Pathology	68504	68985
Neurochemistry	421939	424634
Microbiology	18964	21438
Neuropsychopharmacology done	5478	6544

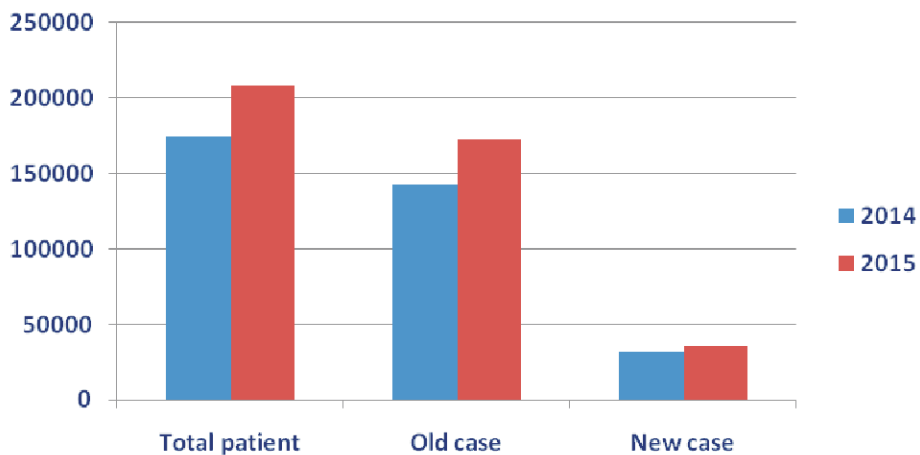
Department of Radiology

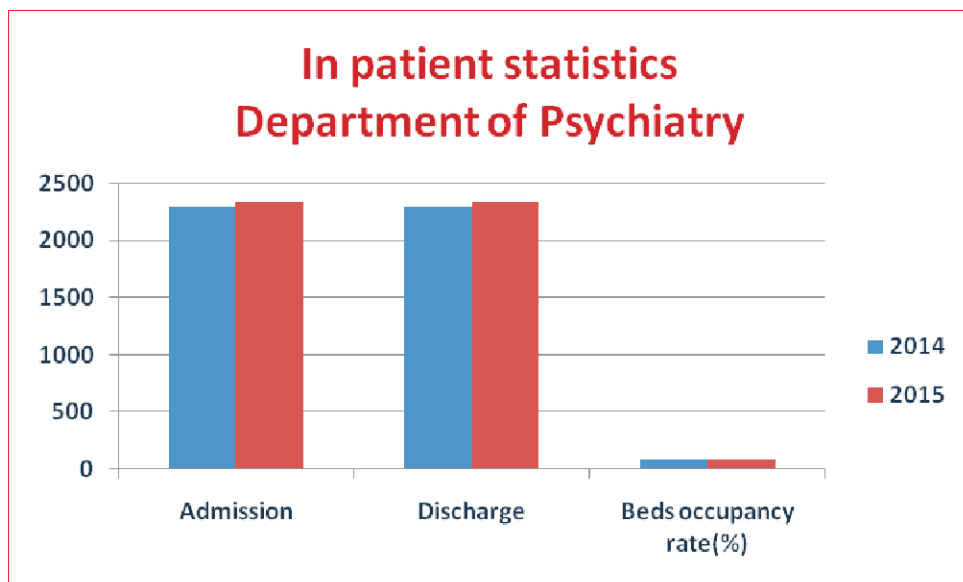
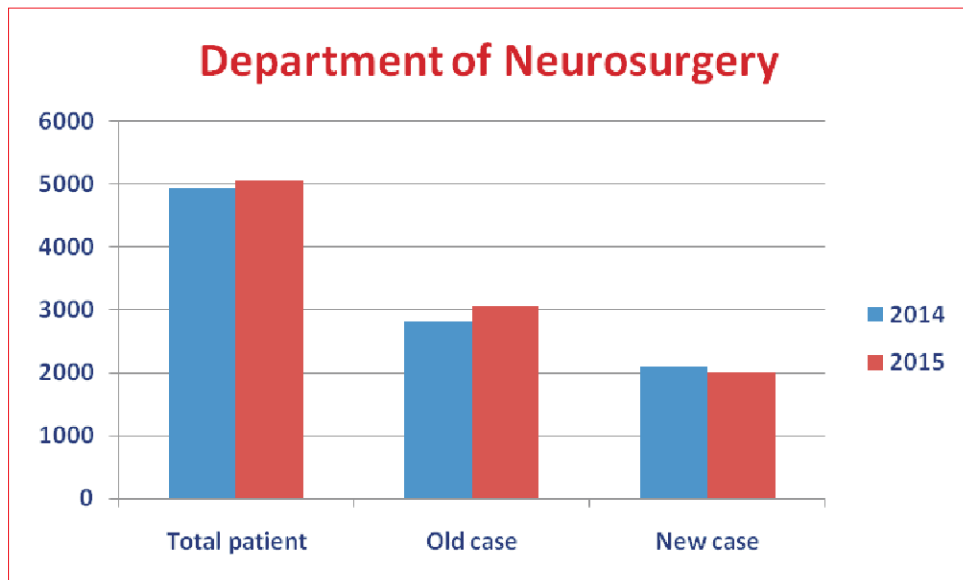
	Year-2014	Year-2015
X-Rays	8089	8217
Colour Doppler	908	855
Echo Cardiography	278	206
Ultrasound	3241	3154
CT Scan	10263	10607
Total Test	22779	23039

Outpatient Statistics Department of Psychiatry

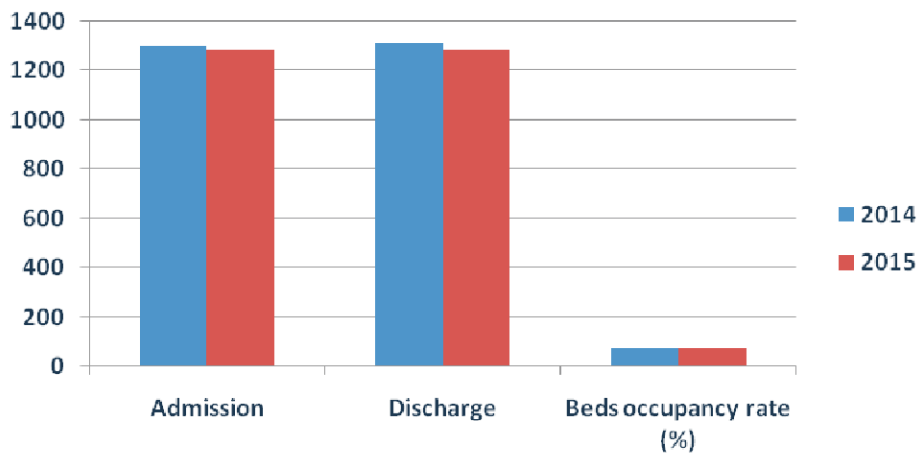


Department of Neurology

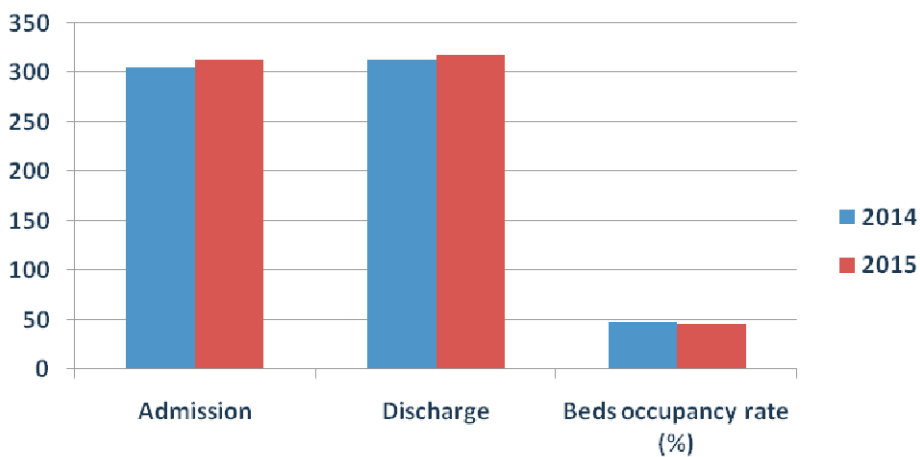


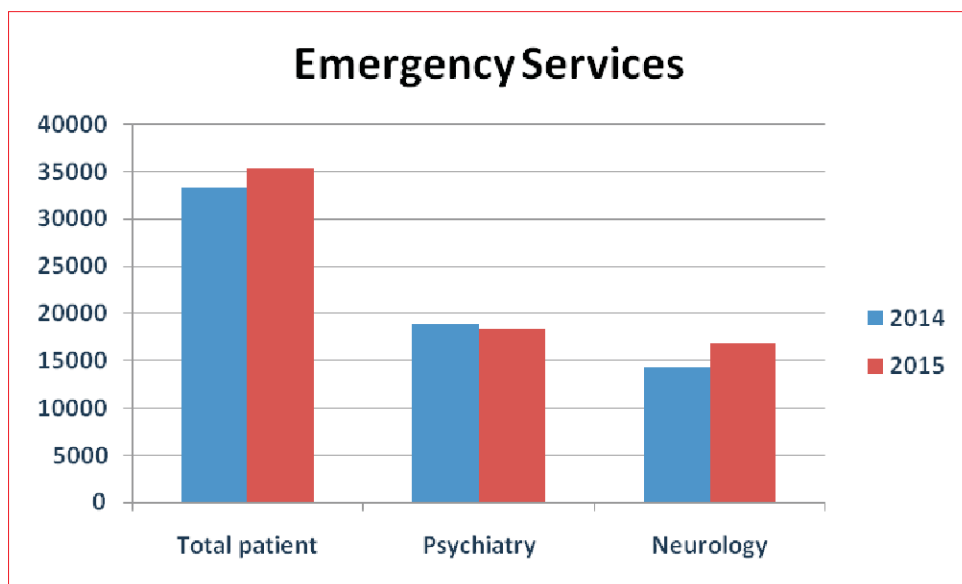


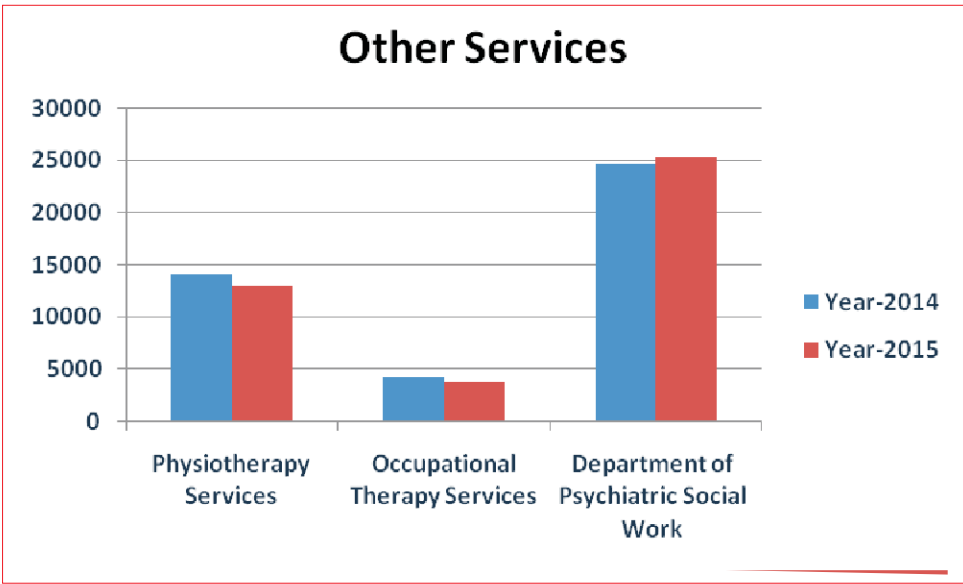
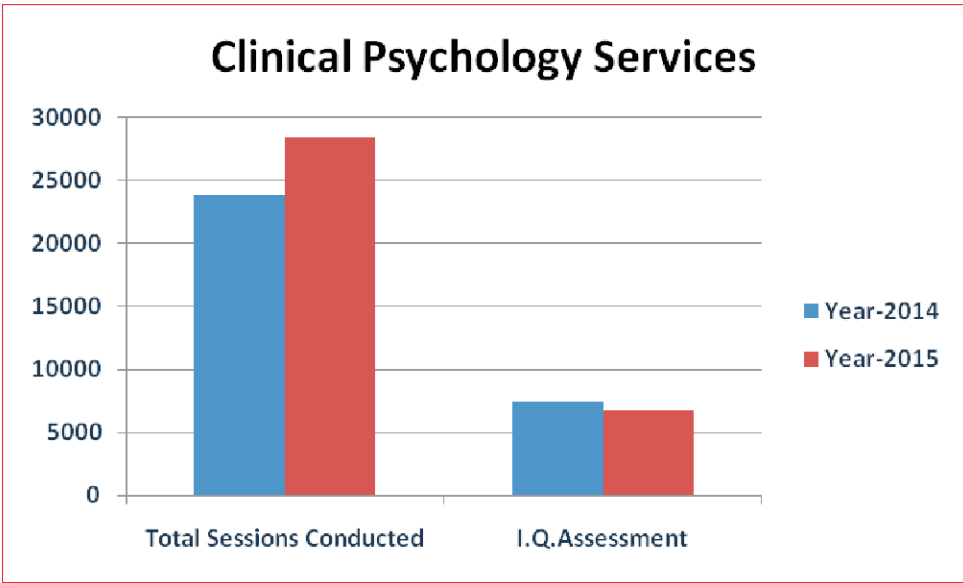
Department of Neurology



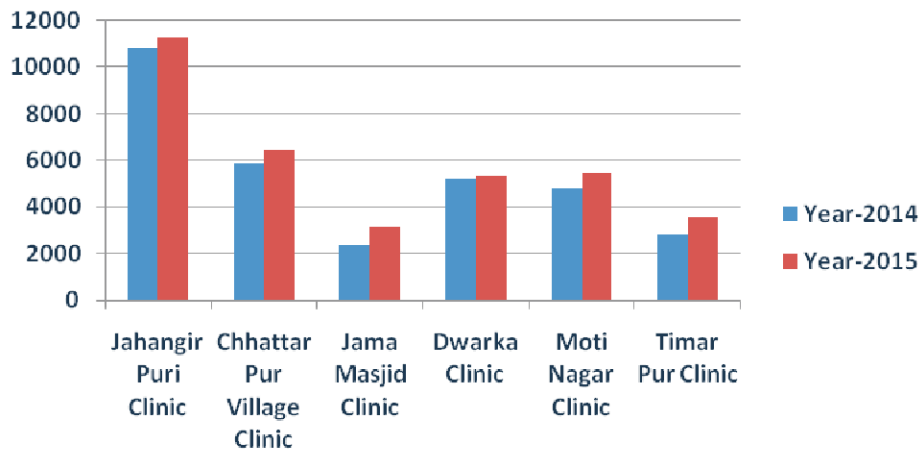
Department of Neurosurgery



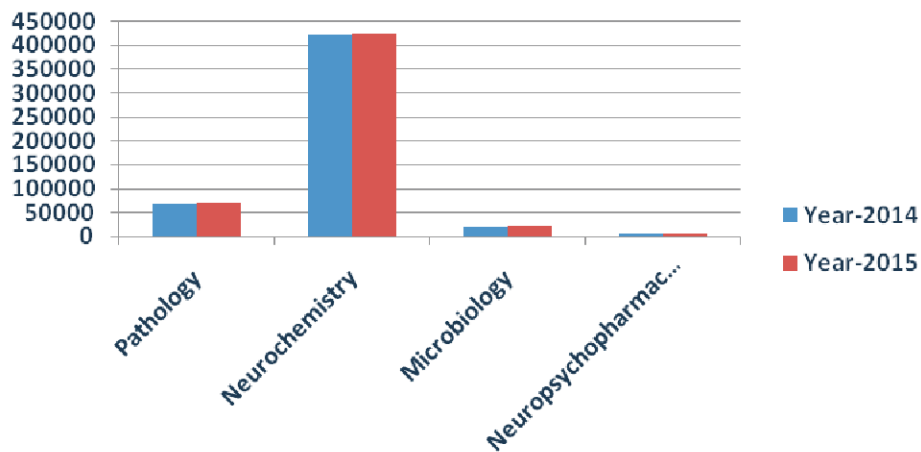


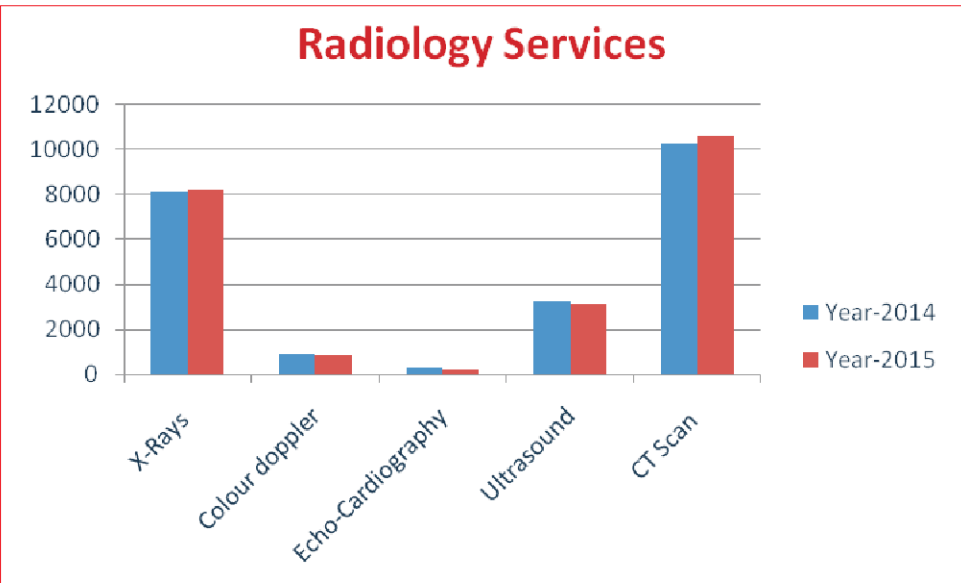


Institute Community Out Reach Clinic



Laboratory Services





Library and Information Centre

Library and Information Centre provides information and caters to the information needs of the Faculty members, Doctors, Researchers and Students in their various academic & research activities. It enables learning and advancement of knowledge to promote research activities. Exchange programme were established with different national and international institutions such as National Medical Library (NML), UCMS, NIMHANS, NML, World Health Organization (WHO) etc. to retrieve the update information in the related subject fields. Library timing has 9.00 a.m. to 9.00 p.m. to extend facility to the users.

Library has developed an update collection of books, periodicals, annual reports in the area of mental health and neuro sciences. Approx. 279 new titles on different subjects were added in the library holdings and 144 scientific journals (90 Foreign & 50 Indian) were subscribed during the year. WHO resources (Print + Online) under Global Subscription has also been subscribed for the users during the year. Library & Information Centre subscribed Karger Package of E-resources i.e. from 1998 to 2015 with 17 e-journals and five e-books series for the users. Library equipped with modern information technology and continued to provide Internet, email and photocopy services to its users to access global databases.

In addition to library services, various other activities of the institute like computerization, website updation, MIS data and implementation of E-office programme of GNCT, Delhi is also carried out by the Library & Information Centre.

PHOTO GALLERY OF THE LIBRARY



Publications/participations

- Pandey, S.K. 2011. NMLERMED consortium: a strategic solution for resource sharing of health information in present scenario. MLAI Souvenir. 2011
- Dr. S.K. Pandey, Lib & Doc. Officer has nominated as an expert committee member by IVRI (ICAR), Izatnagar, Bariley, U.P. for appointment/promotion of library officer, held on 11.4.2011 at IVRI, Bariley, U.P.
- Dr. S.K. Pandey, Lib & Doc. Officer attended National Convention of Medical Library Association of India (MLAI-2011) and presented paper on "NMLERMED consortium: a strategic solution for resource sharing of health information in present scenario held at Dr. Rajendra Prasad Govt. Medical College, Kangra, Tanda (H.P.) on Dec.7-9, 2011.

ENGINEERING SECTION

This section is headed by Superintending Engineer, who is also the Project Manager for the "Remodelling Project of IHBAS". The Engineering Section consists of two divisions- Civil and Electrical, each headed by Executive Engineer and supported by two Assistant Engineers and two Junior Engineers for each of the divisions.

Horticulture works are also taken care of by Civil Engineering Wing and supported by Assistant Director (Horticulture) and Section Officer (Horticulture).

Scope of Services

The Engineering Section of the Institute is working with complete setup to undertake day to day maintenance activities of Institute, all renovation works and other infrastructural works taken up time to time based on needs of the Hospital and Residential areas. The new construction works/projects are also handled by existing setup of Engineering Section. The Horticulture works include maintenance and development including Nursery.

Future plans (Immediate)

IHBAS has been identified as one of the Centres of Excellence by Ministry of Health & Family Welfare, Govt. of India and the construction work is likely to be started soon. Also, the construction of 02 nos. Half Way Homes is being started. The complete renovation of old Psychiatry Wards is also scheduled and is planned to be taken up. The existing Kitchen of Institute is also being renovated for modernization and to suit the present needs of Hospital.

General Information

Present staff at IHBAS as on 31.3.2016

SI. No.	Name of Posts / Designation	Sanctioned	Filled as on 31.03.2016
Group A			
1	Medical	220	132
2	Paramedical		
(i)	Nursing Staff	18	05
(ii)	Paramedical	02	01
3	Admn.	07	03
4	Planning & Statistics	Nil	Nil
5	Accounts	01	00
6	I.T.	Nil	Nil
7	Others (Specify): Engg., Faculty non medical, Clinical Psychologists, PSWs, Emeritus Professor, PDFI Research associate, Physiotherapist)	75	23
Group B			
8	Medical	Nil	Nil
9	Paramedical		
(i)	Nursing Staff	275	202
(ii)	Paramedical	31	22
10	Admn.	34	23
11	Planning & Statistics	Nil	Nil
12	Accounts	04	03
13	I.T.	01	01
14	Others (Specify): Engg. Sr. Demonstrator under ICMR	13	07

Group C			
15	Medical	Nil	Nil
16	Paramedical		
(i)	Nursing Staff	Nil	Nil
(ii)	Paramedical	84	62
17	Admn.	39	30
18	Planning & Statistics	Nil	Nil
19	Accounts	Nil	Nil
20	I.T.	Nil	Nil
21	N. Os./Peons/Attendarts	Nil	Nil
22	Sanitation	Nil	Nil
i)	Govt.	Nil	Nil
ii)	Pvt.	Nil	Nil
23	Security	Nil	Nil
I)	Govt.	Nil	Nil
ii)	Pvt.	Nil	Nil
24	Others (Specify): Lib attendants, Cooks, Class IV (D); Hawaldar	19	09

FACULTY OF IHBAS

Director

Prof. Dr. Nimesh G. Desai (Psychiatry)

Emeritus Professors

- Prof. S.D. Sharma (Psychiatry)
- Prof. M. Gourie Devi (Neurology)

Professors

- Dr. Sujata Chaturvedi, HOD(Pathology)
- Dr. Sangeeta Sharma, HOD(NPPH)
- Dr. Rajeev Thakur, HOD(Microbiology)

Additional Professors

- Dr. U.K. Sinha, Clinical Psychology

Associate Professors

- Dr. Neelam Chhillar, HOD (Neurochemistry)
- Dr. P.K. Upadhyay, HOD (Neuro-surgery)
- Dr. Anshu Gupta, Pathology
- Dr. Suman Kushwaha, Neurology
- Dr. Deepak Kumar, Psychiatry
- Dr. Rachna Agarwal, Neurochemistry
- Dr. Om Prakash, Psychiatry
- Dr. Rajesh Kumar, Psychiatry
- Dr. Rima Kumari, HOD (Radiology)

- Dr. Vijender Singh, Psychiatry
- Dr. Sarabjeet Khurana, HOD (Epidemiology)
- Dr. Vibha Sharma, Clinical Psychology
- Dr. Jahanara MG, HOD (Psy. Social work)
- Dr. C.B. Tripathi, HOD (Bio-stat)
- Dr. Mukul Jain, HOD (Anesthesia)
- Dr. Ravinder Singh, HOD (Med Anthropology)

Assistant Professors

- Dr. Deepak Kumar Jha (Neuro-surgery)
- Dr. V.K. S. Gautam, Neurosurgery
- Dr. Arvind Kumar Arya, Neuro-anesthesia
- Dr. Renu Gupta, Microbiology
- Dr. Naveen Grover, Clinical Psychology
- Dr. Ishita Pant, Pathology
- Dr. Pankaj Kumar, Psychiatry
- Dr. Manoj Kumar, Psychiatry
- Dr. Aldrin Anthony, Neurology
- Dr. Sidharth Maheswari, Neurology
- Dr. Amit Khanna, Psychiatry
- Dr. Paramjeet Singh, Psychiatry
- Dr. Amit Garg, Psychiatry
- Dr. Sumit Gupta, Psychiatry
- Dr. Vishal Dhiman, Psychiatry

Committees And Apex Bodies Of IHBAS

COMMITTEES AND APEX BODIES OF IHBAS

- General Body
- Executive Council
- Standing Finance and Budget Committee
- Building and Works Committee
- Rehabilitation Committee
- Academic Committee
- Establishment Committee
- Scientific Advisory Committee
- Ethics Committee
- Board of Visitors

General Body

- Hon'ble Minister of Health & Family Welfare, GNCTD and President of IHBAS
- Chief Secretary, Government of NCT of Delhi-cum-Chairman and Vice-President of General Body of IHBAS, Delhi Sachivalaya, New Delhi.
- Vice Chancellor, University of Delhi and Vice-President of General Body of IHBAS, University of Delhi, Delhi-110007
- Additional Secretary and Financial Advisor, Ministry of Health & Family Welfare, Government of India and Vice-President of General Body of IHBAS, Nirman Bhawan, New Delhi
- Principal Secretary (Finance), GNCTD, Delhi Sachivalaya, New Delhi
- Secretary (H&FW), GNCTD, Delhi Sachivalaya, IP Estate, New Delhi
- Advisor (Health), Planning Commission, Yojana Bhawan, New Delhi
- Advisor, Dept. of Bio-Technology, 7-8 Floor, Block-2, CGO Complex, Lodhi Road.
- Advisor (TDT), Dept. of S&T, Technology Bhawan, New Mehrauli Road.
- Joint Secretary (T), Department of Education, Ministry of Human Resource Development, Government of India, Shastri Bhawan, New Delhi.
- Joint Secretary (DD), Ministry of Social Justice and Empowerment, Govt. of India, Shastri Bhawan, New Delhi.
- Chief Senior Deputy Director General, NCD, ICMR, Ansari Nagar, New Delhi.
- Principal, University College of Medical Sciences (UCMS), Delhi

- Medical Superintendent, Guru Teg Bahadur Hospital (GTBH), Delhi.
- Director, IHBAS as Member Secretary, General Body
- Professor P.N. Tandon, Professor Emeritus (Neurosurgery) AIIMS, Ansari Nagar, New Delhi
- Professor S.K. Khandelwal, Department of Psychiatry, AIIMS, New Delhi

Executive Council

- Chief Secretary, GNCTD-cum-Chairman, Executive Council, IHBAS
- Additional Secretary and Financial Advisor, Ministry of Health & Family Welfare, Government of India, Nirman Bhawan, New Delhi
- Principal Secretary (Finance), Government of NCT of Delhi, Delhi Sachivalaya, IP Estate, N.Delhi
- Principal Secretary/Secretary (H&FW), Government of NCT of Delhi, Delhi Sachivalaya, IP Estate, New Delhi
- Joint Secretary, Ministry of Health & Family Welfare, Government of India, Nirman Bhawan, New Delhi
- Principal, University College of Medical Sciences (UCMS), Delhi
- Medical Director/Medical Superintendent, Guru Teg Bahadur Hospital, Delhi
- Medical Superintendent/AMS/DMS, IHBAS
- Joint Director (Administration), IHBAS
- Dr. L.M. Nath, Former Director, AIIMS, New Delhi.

- Dr. S.C. Malik, Former Director Professor, Lady Hardinge Medical College & National Consultant Mental Health, Ministry of Health & Family Welfare, Government of India
- Dr. M. Gourie-Devi, Emeritus Professor (Neurology), IHBAS and Former Director, National Institute of Mental Health and Neurosciences (NIMHANS), Bangalore
- Dr. B.N. Gangadhar, Director and Vice Chancellor, NIMHANS, Bangalore
- Dr. Rajeev Thakur, Professor & Head, Department of Microbiology, IHBAS
- Dr. Suman Kushwaha, Associate Professor and Acting Head, Department of Neurology, IHBAS
- Dr. Arvind Kumar Arya, Assistant Professor (Neuroanesthesia), IHBAS
- Director, IHBAS and Member Secretary, Executive Council

Standing finance and budget committee

Chairman

- Principal Secretary (Finance) Government of NCT of Delhi

Members

- Principal Secretary (Health & Family Welfare) Government of NCT of Delhi
- AS &FA, Ministry of Health & Family Welfare, Government of India
- Director, IHBAS, Delhi

- Joint Director (Administration)
- FA & CAO, IHBAS. Delhi

Building and Works Committee

Chairman

Principal Secretary (H&FW), GNCTD

Members

- Dr. Nimesh G. Desai, Director, IHBAS & Member, B&WC
- Shri P.B. Vijay, Retd. DG(W), CPWD & Member, B&WC - A-39/B, Munirka, New Delhi-110006
- Shri Mukesh Bajpai, Architect, CDB, DGHS on behalf of Dr. Chandrashekhar R, Chief Architect, DGHS & Member, B&WC - Room No. 405, Nirman Bhawan, New Delhi-110011
- Joint Director (Administration), IHBAS & Member, B&WC
- Shri Alok Verma, Superintending Engineer, IHBAS & Member, B&WC
- Sr AO, IHBAS & Member, B&WC

Rehabilitation Committee

Chairman

Prof (Dr.) Nimesh G. Desai, Director, IHBAS, Delhi

Members

- Mr. Pankay Joshi, Jt. Secretary, CDD, Ministry of Social Justice and Empowerment, Government of India, New Delhi

- Dr. S.K. Chaturvedi, Professor of Psychiatry and head, Department of Rehabilitation, NIMHANS, Bangalore.
- Mr. P.K. Sharma, Deputy Director, Social Welfare, GNCTof Delhi
- Mrs. Sreerupa Mitra Choudhary, Cjhairperson, Sudinalaya, Delhi
- Mrs. Paramjeet Kaur, Director, Ashray Adhikar Abhiyan, Delhi
- Mrs. Rangashree Kishore, Richmond Fellowship, Delhi
- Dr. Jahanara MG, Associate Professor of Psychiatric Social Work, IHBAS, Delhi
- Dr. Vibha Sharma, Associate Professor of Clinical psychology, IHBAS, Delhi
- Dr. PankaJ Kumar, Asstt. Professor of Psychiatry, IHBAS, Delhi

Member Secretary

- Dr. Vijender Singh, Associate Professor of Psychiatry, IHBAS, Delhi

Academic Committee

Chairman

Prof (Dr.) Nimesh G. Desai, Director, IHBAS, Delhi

Members

- Dr. Amol Ranjan Singh, Director, RINPAS, Ranchi
- Dr. V. Ravi, Registrar, NIMHANS, Bangalore
- Dr.S.V. Madhu, Head, Department of Medicine, UCMS, Delhi

- Dr.N.K. Chadha, Head, Department of Psychology, University of Delhi
- Dr.M.M.Mehndiratta, Professor of Neurology, GB Pant Hospital, New Delhi
- Dr. Sushma Batra, Head, Department of Social Work, University of Delhi
- Dr. H.S. Kohli, Professor, Department of Social Work, Jamia Milia Islamia, New Delhi
- Dr. Uday K. Sinha, Additional Professor of Clinical Psychology, IHBAS, Delhi
- Dr. Om Prakash, Associate Professor of Psychiatry, IHBAS, Delhi

Member Secretary

- Dr. Neelam Chhillar, Associate Professor of Neuro-Chemistry, IHBAS

Internal complaints committee

Presiding Officer

Dr. Neelam Chhillar (Associate professor, Neurochemistry) Delhi

Members

- Dr. Suman Kushwaha (Associate Professor, Neurology, IHBAS) Delhi
- Dr. Vibha Sharma (Associate Professor, Clinical Psychology, IHBAS) Delhi
- Dr. Pankaj Kumar (Assistant Professor, Psychiatry) Delhi

- Dr. Vinita Gupta (Specialist, St Stephen's Hospital) Delhi
- Ms Paramjeet Kaur, Director, Ashray Adhikar Yojna, Delhi
- Mr A K Roy (Senior Physiotherapist, IHBAS) Delhi
- Ms Vimla Gupta (ANS, IHBAS) Delhi

Member Secretary

- Dr Ishita Pant (Assistant professor, Pathology) Delhi

Establishment committee

- Director, IHBAS – Chairperson
- Joint Secretary/Dy. Secretary (Finance)
- Joint Secretary/Dy. Secretary (Services)
- Joint Secretary/Dy Secretary (Medical)
- Joint Director (Administration)

Scientific Advisory Committee

- Professor P N Tandon, 1 Jagriti Enclave, Delhi
- Professor J S Neki, 52, Hem Kunt Colony, New Delhi
- Professor S D Sharma, Emeritus Professor, IHBAS, Delhi
- Professor M Gourie Devi, Former Director, NIMHANS, Bangalore
- Professor R R Singh, director, Tata Institute of Social Sciences, Sion Trombay road, Deonar, Mumbai
- Professor N N Wig, H.No. 279, Sector 6, Panchkula, Haryana
- Professor A K Agarwal, Upasana, B-104/2, Nirala Nagar, Lucknow
- Dr Manju Mehta, Additional Professor, Department of Psychiatry, De-addiction centre, AIIMS, Ansari Nagar, New Delhi

- Professor Ranjit Roy Chaudhary, Emeritus Scientist, National Institute of Immunology, Aruna Asif Ali Marg, New Delhi (Since deceased)

Ethics Committee

Chairperson

Prof. LM Nath, Former Director, AIIMS

Members

- Prof. M. Gourie Devi, Former Director, NIMHANS, Bangalore
- Drug Controller of Delhi, Government of NCT of Delhi, F.17, Karkardooma, 4th Floor, Shahdara, Delhi
- Smt. Geeta Luthra, Legal Expert
- Prof. KM Prabhu, Head, Biochemistry Dept.
- Prof. SD Seth, Consultant ICMR
- Prof. Kusum Saigal, Former Principal LHMC
- Prof. Arvind Pandey, Director, NIMS
- Prof. SK Gupta, Ex-HOD, Pharmacology, AIIMS
- Prof. Vinay Srivastava, Principal Hindu College
- Dr. JP Kapoor, Addl. Director Health Services, SHS, Govt. of NCT of Delhi
- Dr. K. Anand, Additional professor, Department of Community Medicine
All India Institute of Medical Sciences (AIIMS), New Delhi
- Sh. KR Bhati, Rtd. IAS
- Dr. Rachna Agrawal, Associate Professor, Neurochemistry, IHBAS

- Dr. Vijender Singh, Associate Professor, Psychiatry, IHBAS

Member Secretary

- Dr. Uday K. Sinha, Additional Professor, Clinical Psychology, IHBAS

Board of Visitors

- Member Secretary, Delhi State Legal Services Authority (DLSA), Patiala House, New Delhi.
- Prof. R.C. Jiloha, Head Department of Psychiatry, G.B.Pant Hospital, New Delhi.
- Prof. Anjali Gandhi, Professor of Social Work, Jamia Millia University, New Delhi.
- Prof. Manju Mehta, Professor of Clin. Psychology, Department of Psychiatry, AIIMS, New Delhi.
- HOD (Neurology), GB Pant Hospital, New Delhi-110002.
- Medical Superintendent, GTB Hospital, Shahdara, Delhi.
- Prof. Aruna Bhardwaj, Professor of Social Work, H-45, Bali Nagar, New Delhi-110 015.
- District Social Welfare Officer, North West– I, NPS Complex, Sector-4, Rohini, Delhi.
- Director, Directorate of Health Services (DHS), Govt. of NCT of Delhi or his/ her nominee, preferably a Psychiatrist

Financial Report for the Year 2015-2016

ANITA P. GUPTA & ASSOCIATES

CHARTERED ACCOUNTANTS

B-217, YOJANA VIHAR, DELHI-110092;

Ph. No.: 011-43071051, 91 9891052129

Email: anitaguptafca@gmail.com

Anita Gupta

B.Com, F.C.A.

Ref. No.....

Date

To:
The Members
Institute of Human Behaviour
And Allied Sciences
G.T. Road Shahdara Delhi-110095

INDEPENDENT AUDITORS REPORT 2015-2016

Report on the financial statements

We have audited the accompanying financial statements of "**M/s Institute of Human Behavior And Allied Sciences, Gt. Road Shahdara Delhi-110095**" which comprise the balance sheet as at 31st March 2016. and the income and expenditure account for the year then ended.

Management's responsibility for the financial statements

Management is responsible for the preparation of these financial statement that give a true and fair view of the financial position financial performance of the Institute.

This responsibility includes the design, implementation and maintenance of internal control relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

Auditors responsibility

Our responsibility is to express an opinion on these financial statement based on our

audit. We conducted our audit in accordance with the Statements on Auditing issued by the Institute of Chartered Accountants of India. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statement are free from material misstatement.

An audit involves performing procedures to obtain audit evidence, about the amount and disclosures in the financial statements. The procedures selected depend on the auditors, judgment, including the assessment of the risk of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the financial statements in order to design audit procedures that are appropriate in the circumstances.

An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by the management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

Subject to above, in our opinion, and to the best of our information and according to that explanations given to us, the said financial statement give the information required by the law, in the manner so required and give a true and fair view in conformity with the accounting principles generally accepted in India.

- (a) In the case of the balance sheet, of the state of affairs on the Institute as at 31st March 2016.
- (b) In the case of the Income and Expenditure account of the excess of income over Expenditure for the year ended on that date:

For Anita P.Gupta & Associates
Chartered Accountants
Firm Registration No. 021367N

Place: Delhi
Dated: 14/12/2016

Name: CA.ANITA GUPTA
F.C.A.
Address: B-217, Yojana Vihar
Delhi-110092

INSTITUTE OF HUMAN BEHAVIOUR AND ALLIED SCIENCES

G.T. ROAD, SHAHDARA, DELHI-110 095

INCOME & EXPENDITURE ACCOUNT FOR THE PERIOD ENDING ON 31ST MARCH, 2016.

PREVIOUS YEAR	EXPENDITURE	CURRENT YEAR	PREVIOUS YEAR	INCOME	CURRENT YEAR
172,509,820.49	ADMINISTRATIVE SERVICES	235,631,873.65	129,536,328.52	UNSPENT GRANT IN AID	108,498,026.35
366,620,606.00	& OFFICE EXP. (ANNEX-1)	388,003,593.00	669,464,000.00	GRANT IN AID RECD	870,000,000.00
9,399,076.68	EMPLOYEES (ANNEX-2)	10,432,067.84	13,247,615.23	INTT. INCOME (ANNEX-4)	6,747,321.00
35,102,274.99	DIETARY ITEMS	30,177,537.15	13,248,477.00	MISC INCOME (ANNEX-5)	14,145,512.88
26,345,303.96	GENERAL STORE	1,791,722.00	2,838,564.00	RENTAL INCOME (ANNEX-6)	1,635,239.00
1,099,628.00	MEDICINES & DRUGS	1,362,269.00			
5,141,486.00	TRAVELLING & CONV. EXP.	5,779,083.00			
	MAINTENANCE OF EQUIPMENT				
	PUBLICATION & PERIODICALS				
1,753,699.00	DIESEL & PETROL	953,369.84			
1,632,055.28	PAINTMENT WELFAIRE EXP.	3,152,597.00			
360,000.00	PROJECT EXP.	360,000.00			
848,131.00	NABH EXPENSES	37,547.00			
2,959,868.00	LEGAL & PROFESSIONAL FEES	2,491,953.00			
72,187,150.00	MAINT. OF EXIST. BUILD(ANNEX-3)	85,549,785.00			
277,184.00	REPAIRS OF MOTOR VEHICLE	155,592.00			
5,407,461.00	RENT & TAXES	5,407,461.00			
409,288.00	M.PHIL COMMITTEE EXP.	880,781.00			
	CAPITAL EXPENDITURE				
	(AMOUNT TRANSFERRED TO CAPITAL FUND)				
6,555,279.00	EQUIPMENT	715,047.00			
4,164,486.00	BUILDING	11,397,213.00			
8,986,772.00	FURNITURE	94,958.00			
3,308,242.00	LIBRARY BOOKS	10,493,557.00			
(33,911.00)	VEHICLE	NIL			
108,836.00	OFFICE EQUIPMENT	NIL			
453,825.00	WATER COOLER	NIL			
211,875.00	COMPUTER	185,129.00			
200,600.00	TV	NIL			
(7,420,010.00)	L.C. FDR	5,740,834.00			
1,247,931.00	FITTING & FIXTURE	2,168,066.00			
108,498,026.35	UNSPENT GRANT C/F TO THE NEXT YEAR	198,064,63.75			
828,334,984.75		1,001,026,099.23	828,334,984.75		1,001,026,099.23

AS PER OUR AUDIT REPORT
OF EVEN DATE ATTACHED.
FOR ANITA GUPTA & ASSOCIATES
CHARTERED ACCOUNTANTS

Sd/-

Sd/-
SR. ACCOUNTS OFFICER

CA ANITA GUPTA

Sd/-
D.D.O

Sd/-
DIRECTOR

INSTITUTE OF HUMAN BEHAVIOUR AND ALLIED SCIENCES
G.T. ROAD, SHAHDARA, DELHI-110 095

BALANCE SHEET AS ON 31ST MARCH, 2016.

PREVIOUS YEAR	LAIBILITIES	CURRENT YEAR	PREVIOUS YEAR	ASSETS	CURRENT YEAR
1,027,817,224.60	CAPITAL FUND	1,058,401,012.60	1,027,817,224.60	FIXED ASSETS {ANNEX-7}	1,058,401,012.60
97,487,011.78	RESERVES & SURPLUS {ANNEX-10}	97,487,011.78	18,290,183.05	CURRENT ASSETS {ANNEX-8}	45,874,195.47
108,498,026.35	UNSPENT GRANT IN AID	198,064,063.75	485,940,886.86	CASH & BANK A/C {ANNEX-9}	587,322,400.42
245,476,430.84	CURRENT LIABILITIES & PROVISIONS {ANNEX-11}	283,346,136.49			
52,769,600.94	DEFERRED CREDIT & BORROWING-PROJECT {ANNEX-12}	54,299,383.87			
1,532,048,294.51		1,691,597,608.49	1,532,048,294.51		1,691,597,608.49

PLACE : DELHI
DATE : 14.12.16

AS PER OUR AUDIT REPORT
OF EVEN DATE ATTACHED.
FOR ANITA GUPTA & ASSOCIATES
CHARTERED ACCOUNTANTS

Sd/- DIRECTOR	Sd/- D.D.O	Sd/- SR. ACCOUNTS OFFICER	Sd/- CA ANITA GUPTA
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INSTITUTE OF HUMAN BEHAVIOUR AND ALLIED SCIENCES

G.T. ROAD, SHAHDARA, DELHI-110 095

RECEIPTS & PAYMENTS ACCOUNT FOR THE YEAR ENDING ON 31ST MARCH, 2016.

RECEIPTS	AMOUNT IN RS	PAYMENTS	AMOUNT IN RS
TO OPENING BALANCE		TELEPHONE EXP.	2,487,283.00
CASH & BANK BALANCE		POSTAGE & COURIER EXP.	93,873.00
{ANNEXURE-9}	485,940,886.86	OFFICE EXPENSES	3,092,892.00
GRAND IN AID RECD	870,000,000.00	NETWORK & CABLE	546,487.00
INTEREST INCOME {ANNEX.-4}	6,747,321.00	TUTION FEES	3,238,446.00
MISC RECEIPT {ANNEX-5}	14,145,512.88	HOUSE KEEPING	108,524,687.00
RENTAL INCOME {ANNEX-6}	1,635,239.00	SECURITY SERVICES	40,945,879.00
INCREASE IN CURRENT LIAB.	37,869,705.65	ELECTRICITY EXP.	50,829,402.00
DECREASE IN CURRENT ASSETS	1,529,782.93	BANK COMM. & CHARGES	3,406.00
INC IN DEFF CR. & BORROWINGS		MEETING & CONFERENCE	1,659,949.00
LC FDR		STIPEND TO STUDENTS	4,007,419.00
		PRINTING & STATIONARY	3,403,506.50
		MOBILE HANDSET	110,000.00
		HONORARIUM	14,410.00
		WATER CHARGES	6,709,952.00
		CUTT. SHAVING & WASHING	2,466,646.00
		NEWSPAPER & MAGAZINES	148,159.00
		ADVERTISEMENT	5,910,571.00
		LEGAL EXPENSES	50,000.00
		AUDIO FEES	93,500.00
		MAINTT OF COMPUTERS	1,295,406.15
		SALARY & OTHER EXP (ANNX-2)	388,003,593.00
		DIETARY ITEMS	10,432,067.84
		GENERAL STORE	30,177,537.15
		MEDICINES & DRUGS	1,791,722.00
		TRAVELLING & CONV. EXP	1,362,269.00
		MAINT. OF EQUIPMENT	5,779,083.00
		DIESEL & PETROL	953,369.84
		PAITENT. WELFARE EXP.	3,152,597.00
		PROJECT EXP.	360,000.00
		NABH EXPENSES	37,547.00
		LEGAL & PROFESS. FEES	2,491,953.00
		MAINT. OF EXISTING BUIL.	85,549,785.00
		(ANNEX-3)	
		REPAIRS OF MOTOR VEHICLE	155,592.00
		RENT & TAXES	5,407,461.00
		M/PHILL COMMITTEE EXP.	880,781.00
		INCREASE IN CURRENT ASSETS	27,584,012.42
		CAPITAL EXPENDITURE	
		EQUIPMENT	715,047.00
		FURNITURE	94,958.00
		BUILDING	11,397,213.00
		COMPUTER	185,129.00
		LCD FDR	5,740,834.00
		LIBRARY BOOKS	10,493,557.00
		FITTING & FIXTURES	2,168,066.00
		CLOSING BALANCE	
		CASH & BANK BALANCE	587,322,400.42
		(ANNEX-9)	
	1,417,868,448.32		1,417,868,448.32

PLACE : DELHI
DATE : 24.12.2016

AS PER OUR AUDIT REPORT
OF EVEN DATE ATTACHED.
FOR ANITA GUPTA & ASSOCIATES
CHARTERED ACCOUNTANTS

Sd/-
DIRECTOR

Sd/-
D.D.O

Sd/-
SR. ACCOUNTS OFFICER

Sd/-
CA ANITA GUPTA

INSTITUTE OF HUMAN BEHAVIOUR AND ALLIED SCIENCES
G.T. ROAD, SHAHDARA, DELHI-110 095

EXPENDITURE SCHEDULE

PREVIOUS YEAR	PARTICULARS	CURRENT YEAR
DETAIL OF ADMN. SERVICE & OFFICE EXPENSES AS ON 31-03-2016		ANNEXURE-1
2,606,447.00	TELEPHONE EXP.	2,487,283.00
84,193.00	POSTAGE & COURIER EXP.	93,873.00
1,291,875.00	OFFICE EXPENSES	3,092,892.00
409,492.00	NETWORK & CABLE	546,487.00
3,356,985.00	TUTION FEES	3,238,446.00
75,671,805.00	HOUSE KEEPING	108,524,687.00
16,148,106.00	SECURITY SERVICES	40,945,879.00
44,641,112.00	ELECTRICITY EXP	50,829,402.00
8,603.00	BANK COMMISSION & CHARGES	3,406.00
1,496,061.00	MEETING & CONFERENCE	1,659,949.00
4,162,042.00	STIPEND TO STUDENTS	4,007,419.00
5,041,827.49	PRINTING & STATIONARY	3,403,506.00
160,483.00	MOBILE HANDSET	110,000.00
33,000.00	HONOUARIUM TO VISITORS	14,410.00
6,969,055.00	WATER CHARGES	6,709,952.00
2,887,991.00	CUTTING SHAVING & WASHING	2,466,646.00
107,304.00	NEWSPAPER & MAGAZINES	148,159.00
6,219,884.00	ADVERTISEMENT	5,910,571.00
85,000.00	AUDIT FEES	93,500.00
1,128,555.00	MAINTT. OF COMPUTERS	1,295,406.15
NIL	LEGAL EXPENSES	50,000.00
172,509,820.49	TOTAL	235,631,873.65
SALARY & OTHER BENEFITS TO EMPLOYEES AS ON 31-03-2016		ANNEXURE-2
350,240,723.00	SALARY	370,837,458.00
351,185.00	LSPC	1,120,918.00
2,489,078.00	LEAVE TRAVEL CONCESSION	2,540,304.00
6,908,828.00	CPF (EMPLOYER SHARE)	7,298,876.00
3,723,696.00	MEDICAL REIMBRSEMENT	2,763,913.00
1,594,446.00	LEARNING RESOURCES ALLOWANCE	1,814,299.00
701,771.00	LEAVE ENCASHMENT	1,627,825.00
610,879.00	GRATUITY	NIL
366,620,606.00	TOTAL	388,003,593.00
MAINTAINENCE OF EXTISTING BUILDING AS ON 31-03-2016		ANNEXURE-3
34,430,162.00	CIVIL MAINTAINENCE	40,919,116.00
33,387,970.00	ELECTRIC MAINTAINENCE	39,361,638.00
4,369,018.00	HOTICULTURE MAINTENANCE	5,269,031.00
72,187,150.00	TOTAL	85,549,785.00

INSTITUTE OF HUMAN BEHAVIOUR AND ALLIED SCIENCES
G.T. ROAD, SHAHDARA, DELHI-110 095

INCOME SCHEDULES

PARTICULARS	PREVIOUS YEAR	CURRENT YEAR
INTEREST INCOME AS ON 31-03-2016		ANNEXURE-4
8,643.00	INTEREST ON CONFERENCE FUND	9,138.00
72.00	INTEREST ON FCRA A/C	75.00
1,568,081.00	INTEREST ON IHBAS A/C	6,599,552.00
10,755,524.023	INTEREST ON GRANT TDR	NIL
822,156.00	INTEREST ON LC F.D.R.A/C	138,556.00
93,139.00	INTEREST ON AUTO F.D.R.	NIL
13,247,615.23	TOTAL	6,747,321.00

MIC RECIEPTS AS ON 31-03-2016

ANNEXURE-5

7,667,042.00	PATIENT REALISATION CHARGES	7,337,275.00
1,116,208.00	LICENCE FEES	1,258,422.00
950,601.00	MISC INCOME	482,200.00
7,458.00	COLLECTION CHARGE ON LWC	7,996.00
195.00	LOSS OF I-CARD	115.00
890,445.00	RECRUITMENT FEES	1,141,000.00
3,831.00	RTI FEES	3,865.00
45,000.00	SALE OF O.T. ITEMS	5,000.00
175,000.00	TUTION FEES AND TRG FEES	123,050.00
1,683,700.00	INSTITUTIONAL RECEIPTS	3,151,200.00
19,000.00	INTERNSHIP INCOME	120,000.00
32,575.00	PENALTY FROM PARTIES	184,190.00
299,998.00	AUCTION (MONEY)	NIL
NIL	OVERHEAD INCOME (PROJECT)	21,747.00
357,424.00	TUTION FEES {M. PHIL}	309,452.00
13,248,477.00	TOTAL	14,145,512.88

RENTAL INCOME AS ON 31-03-2016

ANNEXURE-6

567,236.00	CANTEEN RENT	483,236.00
9,900.00	DHARAMSHALA RENT	9,750.00
139,100.00	GUEST HOUSE RENT	195,800.00
20,500.00	PHOTOSTATE RENT	25,200.00
NIL	PARK RENT	5,000.00
2,063,255.00	HOSTEL RENT	883,836.00
38,573.00	OTHER RENT(HPMC)	32,417.00
2,838,564.00	TOTAL	1,635,239.00

INSTITUTE OF HUMAN BEHAVIOUR AND ALLIED SCIENCES
G.T. ROAD, SHAHDARA, DELHI-110 095

SCHEDULE OF FIXED ASSETS AS ON 31ST MARCH 2016.				ANNEXURE-7	
S. NO.	PARTICULARS	VALUE AS ON 01/04/2015	ADDITION DURING THE YEAR	SALE /TRANSFER DURING THE YEAR	BALANCE AS ON 31/03/2016
01.	LAND	1.00			1.00
02.	BUILDING	657,413,813.00	11,397,213.00		668,811,026.00
03.	FITTING & FIXTURE	4,021,601.00	2,168,066.00		6,189,172.00
04.	ASSETS FROM HMD	392,761.00			392,761.00
05.	NON CONSUMABLE	4,736,884.00			4,736,884.00
06.	COMPUTER	15,903,459.00	185,129.00		16,088,588.00
07.	OFFICE EQUIPMENT	6,232,045.00			6,232,045.00
08.	MEDICAL EQUIPMENT	230,376,075.80	715,047.00		231,091,122.80
09.	FURNITURE & FIXTURE	21,820,635.00	94,958.00		21,915,593.00
10.	VEHICLES	3,441,626.80		33,911.00	3,441,626.80
11.	PLANT & MACHINERY	8,370,364.00			8,370,364.00
12.	BUILDING (NEW CONSTR)	1,302,753.00			1,302,753.00
13.	T.V. & AUDIO VISUAL	628,370.00			628,370.00
14.	LIBRARY BOOKS	4,098,843.00	10,493,557.00		14,592,400.00
15.	DMPH VEHICLE	211,016.00		21,1016.00	NIL
16.	WATER COOLER	453,825.00			453,825.00
17.	RENOVATION OF HMD BUILDING	64,184,215.00			64,184,215.00
18.	L.C. FDR {NOTE 12}	3,873,032.00	7,836,766.00	2,095,932.00	9,613,866.00
19.	FREEZ	356,400.00			356,400.00
TOTAL		1,027,817,224.00	32,890,736.00	2,306,948.00	1,058,401,012.60

INSTITUTE OF HUMAN BEHAVIOUR AND ALLIED SCIENCES
G.T. ROAD, SHAHDARA, DELHI-110 095

SCHEDULE OF CURRENT ASSETS

PREVIOUS YEAR	PARTICULARS	CURRENT YEAR
CURRENT ASSETS, LOAN & ADVANCES AS ON 31-03-2016		ANNEXURE-8
	ADVANCE / DEPOSIT WITH PWD,	
239,704.00	{GOVT. OF DELHI} FOR REPAIR	239,704.00
5,771,866.74	INTEREST ACCURED ON F.D.R.	8,950,503.80
7,580.00	TDS RECEIVABLE	NIL
NIL	E.P.F. (RECOVERY)	18,982,984.00
	CLOSING STOCK	
968,936.00	GENERAL STORE ITEMS	456,565.70
10,455,792.00	MEDICINE & DRUGS	16,520,933.00
139,081.31	DIETARY ITEMS	196,384.47
707,223.00	STATIONERY ITEMS	527,120.50
18,290,183.05	TOTAL	45,874,195.47

CASH AND BANK BALANCE AS ON 31-03-2016

ANNEXURE-9

3,410.00	CASH IN HAND	74,324.00
1,872.96	FCRA A/C WITH S.B.I.	1,947.96
1,171,455.00	S/B A/C WITH ANDHRA BANK	1,218,886.00
233,315,740.77	S/B A/C WITH S.B.I.	298,210,364.81
1,010,085.50	S/B A/C WITH BANKS (CPF)	18,636,348.50
226,192.07	S/B A/C {CONFERENCE FUNDS}	235,330.07
1,812.00	SBI ONLINE ACCOUNT	21,868.00
192,661,775.56	TERM DEPOSIT WITH BANKS (CPF)	206,561,399.08
57,197,543.00	TERM DEPOSIT WITH BANKS (PROJECT)	62,010,932.00
101,000.00	IMPREST WITH EMPLOYEES	101,000.00
250,000.00	FDR WITH COURT	250,000.00
485,940,886.86	TOTAL	587,322,400.42

INSTITUTE OF HUMAN BEHAVIOUR AND ALLIED SCIENCES
G.T. ROAD, SHAHDARA, DELHI-110 095

SCHEDULE OF LIABILITIES & RESERVES

PREVIOUS YEAR	PARTICULARS	CURRENT YEAR
RESERVE AND SURPLUS		ANNEXURE-10
97,487,011.78	OPENING BALANCE	97,487,011.78
97,487,011.78	TOTAL	97,487,011.78
OTHER LIABILITIES AND PROVISIONS		ANNEXURE-11
9,602.00	T.D.S PAYABLE	1,148,154.00
14,237,905.00	EARNEST MONEY DEPOSIT	13,954,921.00
18,618,849.75	SECURITY DEPOSIT	21,400,282.75
NIL	DVAT PAYABLE	422,065.00
160,869.07	CONFERENCE FUND	160,869.07
211,143,110.02	CPF PAYABLE	245,368,271.67
225.00	D.G.H.S. (IHBAS) PAYABLE	225.00
12,000.00	STIPEND PAYABLE	12,000.00
NIL	LABOUR WELFARE CESS	100,388.00
570.00	CGEIS (PATNA)	NIL
48,120.00	NPS (NAVEEN GROVER)	NIL
926,945.00	POOR PATIENT FUND	778,960.00
318,235.00	TA PAYABLE	NIL
245,476,430.84	TOTAL	283,346,136.49

INSTITUTE OF HUMAN BEHAVIOUR AND ALLIED SCIENCES
G.T. ROAD, SHAHDARA, DELHI-110 095
SCHEDULE OF PROJECT ACCOUNTS AS ON 31.03.2016 (ANNEXURE-12)

PREVIOUS YEAR	PARTICULARS	CURRENT YEAR
	CONTINUE TRAINING PROGRAMME	78,000.00
22,400.00	MDNIY (YOGA PROJECT)	22,400.00
122,772.00	MISC PROJECT	122,772.00
514,705.00	NACO	514,705.00
35,375.00	RP 04	35,375.00
695,975.00	RP 05	695,975.00
153,049.00	RP 07	153,049.00
178,210.00	RP 09	178,210.00
13,369.00	RP 10	13,369.00
22,247.00	RP 12	22,247.00
1,066,240.00	RP 13	1,066,240.00
(4,550.00)	RP 15	(4,550.00)
67,598.00	RP 17	67,598.00
87,794.00	RP 18	87,794.00
(16,332.00)	RP 19	(16,332.00)
11,265.94	RP 21	11,265.94
223,172.00	RP 22	223,172.00
(12,493.00)	RP 23	(12,493.00)
495,568.00	RP 25	495,568.00
119,626.00	RP 26	119,626.00
295,442.00	RP 27	295,442.00
201,074.00	RP 28	201,074.00
784,519.51	RP 30	784,519.51
721,960.00	RP 31	721,960.00
11,317.00	RP 34	11,317.00
(115,513.00)	RP 35	(115,513.00)
240,662.00	RP 36	240,662.00
28,437.00	RP 37	28,437.00
414,989.00	RP 38	414,989.00
2,904.00	RP 39	2,904.00
5,521.00	RP 40	5,521.00
1,667.00	RP 41	1,667.00
36,923.00	RP 42	3,523.00
786,529.00	RP 43	NIL
18,444.00	RP 44	18,444.00
192,763.00	RP 45	NIL
	STP-01	4,939,153.00
1,236,527.00	STP 014	877,173.00
1,549.00	STP 04A	1,549.00
2,708.00	STP-4B	84,410.00
5,664,577.00	STP 07	4,599,219.00
7,203,717.00	STP 08	6,523,934.00
5,621,516.00	STP 09	4,698,998.00
134,389.00	STP 10	134,389.00
289,578.00	STP 11	455,273.00
34,071.00	STP -013	34,071.00
300,414.00	SMHA	176,369.00
(45,579,454.51)	PROJECT RP BANK A/C	(42,484,817.51)
(300,738.00)	CASH WITH PNB PROJECT A/C	NIL
44,763,108.00	GRANT-C EXCELLANCE	(42,553,639.00)
687,708.00	PROJECT FOR INTEREST	1,067,708.00
14,773,074.00	INTT INCOME (GRANT -C EXCELL.)	19,598,168.93
3,008,553.00	S/B INTEREST ON PROJECT BANK A/C	4,551,313.00
NIL	PROJECT CASH IN HAND	(103.00)
52,769,600.94	TOTAL	54,299,383.87

FORM GFR 19-A

(See Government of India's Decision (I) below Rule 150)

FORM OF UTILISATION CERTIFICATE

INSTITUTE OF HUMAN BEHAVIOUR & ALLIED SCIENCE (IHBAS)

(For the Financial Year 2015-2016)

Sl. No.	Letter No. and Date	Amount (Rs.)
1.	Opening Balance	10,84,980,26.35
2.	F.No.400(134)/2012-H&FW/ plg/P.F./js3hfw-1674-80 DT. 5/06/2015	10,00,000,00.00
3.	F.No.400(134)/2012-H&FW/ plg/P.F./js3hfw-2512-2518 DT. 19/08/2015	24,50,000,00.00
4.	F.No.400(134)/2012-H&FW/ plg/P.F./js3hfw/CD#11290396/3 298-3304 DT. 15/10/2015	22,00,000,00.00
5.	F.No.400(134)/2012-H&FW/ plg/P.F./js3hfw/CD#11290396/0 9-16 DT. 15401/2016	13,30,000,00.00
6.	F.No.400(134)/DH&FW/C40/2015/ ONM-SECY(H&FW)/E-1516 805-812 DT. 30/03/2016	17,20,000,00.00
7.	Income from other sources	2,25,28,072.00
	Total	100,10,260,99.23

1. Certified that out of Rs. 100,10,260,99.23 of grants-in-aid sanctioned during the year 2015-2016 in favour of IHBAS under the/Department letter no. given in the margin including Rs. 10,84,980,26.35 on account of unspent balance of the previous year, A sum of Rs. 80,29,62,035.48 has been utilized for the purpose for which it was sanctioned and that the balance of Rs. 19,80,64,063.75 remaining unutilized at the end of year has been surrendered to Government (vide no NIL, dated NIL) will be adjusted to wards the grants-in-aid payable during the next year 2016-2017.
2. Also certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled/are being fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kind of checks Exercised

1. Books of Accounts for the Financial Year 2015-2016
2. Bank Accounts for the Financial Year 2015-2016
3. Vouchers for the Financial Year 2015-2016

For Anita P. Gupta & Associates
Chartered Accounts

Director
IHBAS

Accounts Officer
IHBAS

CA Anita Gupta
M.No.093481



INSTITUTE OF HUMAN BEHAVIOUR AND ALLIED SCIENCES

DELHI - 110095

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