



# **ANNUAL REPORT**

## **2003-2004**

**INSTITUTE OF HUMAN BEHAVIOUR AND ALLIED SCIENCES**  
**DELHI – 110 095**

## **INDEX**

### **Objectives of the Institute**

1. An Overview
2. Teaching & Training
3. Research Projects
4. Reports of Departments
  - 4.1 Psychiatry
  - 4.2 Neurology
  - 4.3 Clinical Psychology
  - 4.4 Neurochemistry
  - 4.5 Microbiology
  - 4.6 Pathology
  - 4.7 Neuropsychopharmacology
5. Other Centres at IHBAS
  - 5.1 Advanced Centre at IHBAS – DATRC
  - 5.2 Library
  - 5.3 Engineering Wing
6. General Information
  - 6.1 Present Staff at IHBAS
  - 6.2 Various Committees and Apex Bodies of IHBAS
7. Auditors Report for the Financial Year 2003-2004.

## **DIRECTOR'S REPORT**

The Institute of Human Behaviour & Allied Sciences (IHBAS) Delhi is an apex institution of psychiatry, neurology & behavioural sciences. The institute has multidisciplinary approach through psychiatry and neurology along with clinical psychology, psychiatric social works & basic sciences (neurochemistry, microbiology, neuropsychopharmacology & pathology) to provide comprehensive treatment for the patients. To attain the objective to provide high quality superspeciality care in neuroscience, the institute has been involved in hospital and community based patient care services at not only tertiary level but also combination of primary and secondary level.

In order to cover specialized needs patient groups and disorders, institute has been running six speciality clinics namely, Drug Abuse Treatment and Rehabilitation Clinic, Child & Adolescent Psychiatry Clinic, Mental Retardation Clinic, Neuro Behaviour Clinic, Movement Disorder Clinic and Marital Psychosexual Clinic. This year epilepsy clinic was also started to give special attention to chronic epileptic patients with psychosocial problems and improve their awareness.

The project work for “Remodeling of Institute of Human Behaviour & Allied Sciences” was awarded in the month of August 2003. The work has already been started and is going on in full swing on various fronts in institutional blocks, and residential quarters.

The much awaited post graduate course in psychiatry was started with the first batch of two students joining in May 2003, under University of Delhi.

IHBAS was designated as Regional Resource Centre for Northern and Western India under National Mental Health Programme (NMHP) and District Mental Health Programme (DMHP). IHBAS was also declared the national coordinating centre for the network of “Tobacco Cessation Clinic” in India by the WHO country (India) office.

The report gives a brief description of the achievements made by the institute in different fields during the year 2003-04 besides an outline of the future plans incorporated in the project of the institute.

**(Prof. Meena Gupta)**  
**Director**

## **EXECUTIVE SUMMARY**

In continuation with its progressive movement towards fulfillment of its objectives of providing high quality and super-specialty patient care, conducting basic and applied research and providing training in neuropsychiatry and behavioural sciences, this year also IHBAS achieved many milestones.

The calendar year of 2003 registered 1.4 lac (144680) patients in outpatient services out of which 14 % were new cases. The number of patients receiving emergency services in various specialities increased by 33% over the previous year. The number of patients receiving indoor services also increased by 8%.

Some of the existing wards were renovated to improve the living conditions of the patients. The Electrophysiology Laboratory of IHBAS was equipped with video EEG & other sophisticated laboratory equipments. Various diagnostic facilities were upgraded with addition of new equipments along with new investigations introduced in the clinical service laboratories.

IHBAS was designated as Regional Resource Centre for Northern and Western India under National Mental Health Programme (NMHP) and District Mental Health Programme (DMHP). It will provide technical support to Northern and Western states in developing the training material and the service delivery mechanisms for implementation of NMHP/DMHP in 10<sup>th</sup> Plan and will monitor its implementation in these states. IHBAS was also declared the national coordinating centre for the network of “Tobacco Cessation Clinic” in India by the WHO country (India) office.

Some of the new programmes initiated during the year were community outreach programme for caregivers and general public in order to improve the awareness of neurological disorders in the community by the Dept. of Neurology. WHO sponsored workshop for general practitioners and psychiatrists on Mental Health needs of elderly was organized on 26<sup>th</sup> and 27<sup>th</sup> July, 2003 by the department of Psychiatry. Other activities held in IHBAS included Epilepsy Day celebration on November 17, 2003 in which painting competition and sports events were organized for epileptic children by the department of Neurology.

The institute in addition to the patient care and teaching activities has also been actively involved in conducting research projects supported financially by agencies like WHO & ICMR. Presently twelve funded projects are going on in IHBAS. A WHO funded project ‘Behavioural risk factors surveillance for non – communicable diseases: An exploratory study into the determinants and community perceptions in India’ started this year. The department of psychiatry in

collaboration with Aashray Adhikar Abhiyan and Sahara participated in the Health Initiative group for the Homeless. The general health services and mental health services have been provided to the homeless people in old Delhi through a twice per week clinic for homeless near Jama Masjid throughout the year. This service program has been accepted as one of the community oriented programme of IHBAS and is considered as one of the innovative programme.

The much awaited post graduate course in psychiatry was started with the first batch of two students joining MD in May 2003, under University of Delhi. The teaching and training for DNB (Psychiatry) and the undergraduate and post graduate student teaching in Clinical Psychology, Psychiatric social work and psychiatric nursing continued. A training programme on Neuropsychiatry was organized for general practitioners of Indian Medical Association of East Delhi branch during January – March 2004.

The faculty of the institute received two awards/ honors and made 44 presentations in national conferences and 4 presentations in international conferences. Faculty was resource persons/ speakers in 28 symposia and CMEs. A total number of 44 research papers were published in the journals of repute in India and abroad.

The project work for “Remodeling of Institute of Human Behaviour & Allied Sciences” Phase-I was awarded in the month of August 2003 with a completion target of 18 months. The work has already been started and is going on in full swing on various fronts in institutional blocks, residential buildings and residential quarters. Presently the construction work of new buildings is in Phase I.

The main objective of the Institute is to provide tertiary care services and to mitigate stigma associated with mental illness. A total of six specialty clinics namely Drug Abuse Treatment and Rehabilitation Clinic, Child & Adolescent Psychiatry Clinic, Mental Retardation Clinic, Neuro Behaviour Clinic, Movement Disorder Clinic, Marital Psychosexual Clinic and Epilepsy Clinic are run by the institute covering specialized needs of patients with various disorders.

The report gives a brief description of the achievements made by the institute in different fields during the year 2003-04 besides an outline of the future plans incorporated in the project of the institute.

## CLINICAL SERVICES AT IHBAS: DATA AT A GLANCE

Statistics	2002	2003
• Total number of cases registered at OPD		
Psychiatry	1,01,790	1,06,529
Neurology	30,870	37,570
• Total Number of Emergency Registration	5197	6862
• Total Number of Indoor Admissions		
Psychiatry	1,129	1,220
Neurology	711	654
• Total number of cases registered in Speciality Clinic	11,206	11,399
• Total number of Laboratory Investigations done	67,582	69,208
• Clinical Psychology Sessions	5,041	6089
• Day Care Centre and Occupation Therapy (Patients Visits)	4,354	2,965
• Psychiatric Social Work (Counselling Sessions)	---	1,245

## BUDGET AND EXPENDITURE AT IHBAS: DATA AT A GLANCE

Sl. No	Head/ Item	2003-04	Expenditure (Rs. In Lacs)
	<b>Capital</b>	<b>Approved Outlay (BE/RE)</b>	
	Remodeling of IHBAS	600	619.57
	Renovation		15.66
	Machinery & Equipment		32.21
	<b>Revenue</b>		
1.	Salary/Wages/OTA/DTA etc.		452.08
2.	Material & Supply		102.41
3.	Office Expenses		82.75
4.	Engineering Services		6.63
5.	Publication & Periodicals		21.19
6.	Admn. Services (Security & House Keeping)		120.78
7.	Travelling Expenses		3.52
8.	Maintenance of Equipment		6.38
9.	Diesel & Petrol		3.23
10.	Legal & Professional		2.34
11.	Foreign Service Contribution		9.23
12.	Repair of Motor Vehicle		0.89
13.	Rent & Taxes		3.49
14.	Furniture		18.41
15.	Computers		12.83
16.	Maintenance of Building		97.28
		<b>Total</b>	<b>1610.88</b>

## **OBJECTIVES OF THE INSTITUTE**

The Institute of Human Behaviour and Allied Sciences (IHBAS), Delhi is an apex institution of psychiatry, neurology and behavioural sciences utilizing a multidisciplinary approach. The main objectives of the institute are:

- I To provide high quality super speciality care using state-of-the-art technology in psychiatry, neurology and behavioural sciences
- II To conduct research in the field of psychiatry, neurology and behavioural sciences; and
- III To provide comprehensive training at MD, DM, M.Phil. and Ph.D level in psychiatry, neurology and behavioural sciences.

The institute provides not only tertiary level facilities but also mixture of primary and secondary level care in the field of neurobehavior sciences. For this it utilizes a unique approach through clinical (psychiatry and neurology), social (clinical psychology, psychiatric social works and medical anthropology) and basic sciences (neurochemistry, microbiology, pathology and neuropsychopharmacology) to provide comprehensive treatment for the patients.

In pursuance of its objectives the institute has been involved in the following activities:

- Hospital and community based patient care services including preventive/curative and rehabilitation services for the people of Delhi and neighboring states of north India
- Post graduate teaching/training in psychiatry, clinical psychology, psychiatric social work and psychiatric nursing.
- Basic and applied inter-disciplinary and intra-disciplinary research in neuropsychiatry and behavioural sciences.

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

- |                        |                             |
|------------------------|-----------------------------|
| 1. Psychiatry          | 6. Microbiology             |
| 2. Neurology           | 7. Neurochemistry           |
| 3. Clinical Psychology | 8. Neuropsychopharmacology  |
| 4. Neuroradiology      | 9. Medical Anthropology     |
| 5. Pathology           | 10. Neuroanaesthesia        |
|                        | 11. Psychiatric Social Work |

The other departments such as psychiatric nursing, biostatistics and epidemiology are yet to come up.



## **ANNUAL REPORT 2003-2004 AT A GLANCE**

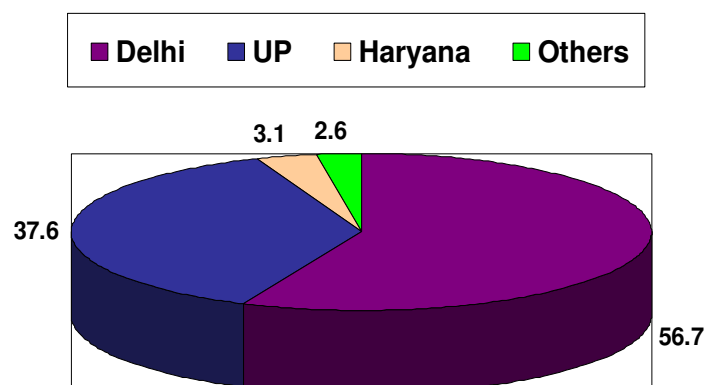
### **1. HOSPITAL SERVICES**

#### **1 AN OVERVIEW**

##### **1.1 Outpatient services**

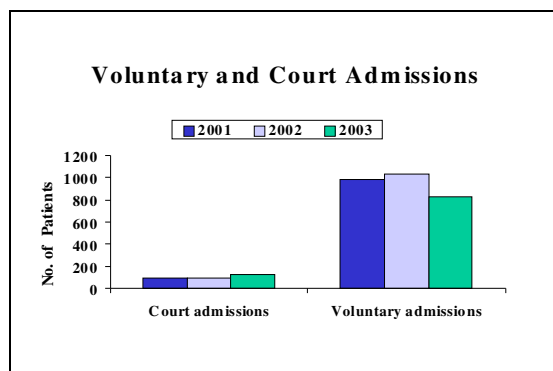
The improved out patient services has not only resulted in the increase in a number of patients visiting it but also in changing the community attitude towards neuropsychiatric diseases in general. The institute can claim to have the largest OPD attendance in neuropsychiatric services in North India. About 14,46,266 patients attended the OPD in the calendar year 2003 which included 20,396 new and 1,24,230 follow up cases. Out of new cases 56.7% patients were from Delhi and rest from the neighbouring states (see figure below). Daily average of patients attending OPD was 490. The wards and OPD blocks full of greenery give harmonious atmosphere to psychologically disturbed patients. The outpatient services are conducted in the morning hours on all the working days.

#### **Percent Geographical Distribution of Out-patients (2003)**



### 1.1.1 Psychiatry Services

The department of psychiatry provides both inpatient and outpatient care through general psychiatry OPD & specialty clinics. There was 4.6% increase in the total OPD attendance during the year 2003 as compared to 2002. 14, 803 new and 91, 725 follow up cases availed OPD services. A multidisciplinary team of specialists consisting of psychiatrists, clinical psychologists, psychiatric social workers and other paramedical staff provide comprehensive mental health care. Modern therapeutic regimens are used to treat the patients. Admission in psychiatry wards is done voluntarily or through court orders. There were 823 voluntary admissions and 126 through court order. The former constituted 87% of the admissions.



### 1.1.2 Neurology Services

In the year 2003, there was 21.9% increase in the total OPD attendance. The inpatient admissions were 654. The department is equipped with an advanced quantitative sensory testing (QST) facility in addition to digital EEG, EMG/EP & NCV for detecting various abnormalities of muscle, nerve, spinal cord and the brain. Rehabilitation of neurologically handicapped patients is done by active involvement of physiotherapy sections of the institute. A neurology intensive care unit (ICU) equipped with state of the art ventilators and monitors provide care to patients with status epileptics, progressive neurological deficit stroke, encephalitis, meningitis etc. Specialty clinics like movement disorder clinic and neurobehaviour clinic continue to provide quality services to the patients. A new speciality clinic for epilepsy was started during this year.

### 1.1.3 Clinical Psychology Services

The department of clinical psychology provides psycho-diagnostic and psychotherapeutic services. The department provides child guidance services, neuropsychological assessment, behaviour therapy and counseling in the field of marital discord, psychological disorders and psychosexual dysfunctions. Early intervention and management of mentally handicapped children is also done. A total of 6,089 sessions were conducted during the year 2003.

### 1.1.4 Specialty Services

The specialty clinics for the patients who require comprehensive approach and special attention are held for different disorders at IHBAS, in the afternoon hours.

- i) **Child and Adolescent Mental Health Clinic:** This clinic is held weekly on Monday to provide services to the psychiatric and behavioural problems of the children up to 16 years of age as well as counseling for school related problems. Common problems with which this clinic deals are Attention Deficit Hyperactivity Disorder (ADHD), academic problems, conduct disorders, developmental delays, enuresis etc. In the current year 1,992 children and adolescents attended the Child and Adolescent Psychiatric Clinic (CAPC). If needed, parents are requested to involve themselves in the treatment process. Patient counseling services are a regular feature of this clinic.
- ii) **Mental Retardation Clinic:** This clinic was started in December 1999 since then it is held on every Wednesday afternoon. It involves a comprehensive approach by a multidisciplinary team consisting of psychiatrists, clinical psychologists and psychiatric social workers. 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 serves an important need of such children for certification required for special schooling and disability benefits. A total of 2,710 patients availed services through this clinic during the year.
- iii) **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 which respond well to sex education and counseling. Other common disorders include impotence and premature ejaculation. Various treatment modulations are used such as medicines,

counseling and behaviour therapy. A total of 445 patients availed services through this clinic in 2003.

- iv) **Tobacco Cessation Clinic:** IHBAS launched its tobacco cessation clinic on May 31, 2001. This clinic is part of a national tobacco initiative by ministry of health and family welfare, government of India and world health organization. The Institute was recognized as the national coordinating and resource center for the project. This clinic is held on every Monday, Wednesday and Friday afternoon. In average of 7-8 patients are evaluated by a multidisciplinary team, the patients are offered both pharmacological and psychological support with emphasis on counseling and behaviour management. This year 181 patients utilized the services of the clinic.
- v) **Neurobehaviour Clinic:** This clinic is held every Friday afternoon. This clinic deals with the patients especially the elderly who have cognitive problems and behavioural abnormalities. Such patients are evaluated by a joint team of neurologists, psychiatrists and clinical psychologists and 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.
- vi) **Drug Abuse Treatment Clinic:** This clinic is held on 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.) majority of the patients come on their own or are brought by their family members. Such patients are evaluated and treated by psychiatrists, clinic psychologists and psychiatric social workers. A total of 4,548 patients attended this clinic. As and when needed patients are admitted for four to six weeks for comprehensive indoor treatment.
- vii) **Movement Disorder Clinic:** This clinic is held on every Wednesday afternoon. Services are provided to patients suffering from involuntary movement disorders like Parkinson's disease, dystonia, progressive supranuclear palsy etc. Advance treatment like botulinum toxin injections are given to the patients with focal dystonia. In this year 359 patients attended the clinic.
- viii) **Epilepsy Clinic:** This clinic is held on 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, psychosocial problems and improve their awareness. Epilepsy support groups are formed in which these patients interact about their psychosocial problems with each other and they are guided by our social workers. This year 141 patients attended the clinic out of which 38 were new cases.

The endeavour is to eliminate the stigma and reduce the treatment gap in epilepsy.

## 1.2 Inpatient Services

The inpatient care, both in psychiatry and neurology, is undergoing continuous improvement qualitatively. The emphasis is on cleanliness and hygiene of the patients. Such patients require specialized nursing care for which nurses undergo regular training in neuropsychiatric care. A total of 1,874 admissions were made during the year. The average bed occupancy was 89.8%. The overall death rate among admitted patients was 0.21 %.

## 1.3 Emergency Services

The institute provides round the clock emergency services in psychiatry and neurology. Senior residents from psychiatry and neurology are available 24 hours and consultants are available on call. Patients with psychological and behavioural disturbances, suicide risk, depression, schizophrenia, status epilepticus, progressive neurological deficit, meningitis and encephalitis avail the emergency services. A total of 6,862 patients attended the emergency service during the year.

## 1.4 Diagnostic Services

Diagnostic services in the institute are undergoing constant up gradation by introducing new investigations on regular basis. The aim is to provide state of the art diagnostic services not only to the patients of IHBAS but also to the neighbouring hospitals.

- **Psycho diagnostic Tests:** Psycho diagnostic tests such as personality, neuropsychological and IQ assessment, cognitive and specific function tests and specific learning disability tests are being carried out by the clinical psychology department.
- **Drug Assays:** Therapeutic Drug Monitoring of drugs viz. **phenytoin, carbamazepine, valproic acid and phenobarbitone** is done for the patients suffering from epilepsy to identify non compliance, drug interactions and toxicity. Serum **lithium** levels are also measured on regular basis for patient's suffering from mood disorders. In addition, estimation of serum homocysteine levels has been introduced for the patients of dementia and stroke.
- **Electrophysiology:** Various tests for patients with epilepsy, muscle and nerve disease, multiple sclerosis, and motor neuron disease etc. are done routinely at IHBAS in the neurology department. These tests include EEG, ENMG, NCV, EMG, VEP, SSEP, BERA and quantitative sensory testing on TSA II.

Electroencephalography is done routinely in patients suffering from various types of Epilepsies, status epilepticus and nonconvulsive states. Evoked potentials like VEP, BERA, SSEP are done in patients suffering from multiple sclerosis, myelitis, eye and ear related problems while electromyography and nerve conduction velocity studies for patients suspected to be suffering from myopathies, myasthenia gravis and neuropathies.

## **1.5 Community Outreach Services**

Community outreach programme have been taken up to create awareness in the public regarding neuropsychiatric disorders and to eliminate the stigma and myths associated with mental illness.

Regular clinics held at Jahangirpuri and Chattarpur and mobile health clinic for homeless near Jama Masjid received overwhelming response 6,698 patients attended the outreach clinic at Jahangirpuri and 3,941 at Chattarpur village. 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 comorbid 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.

**Out Reach Clinic for Homeless Mentally Ill Persons:** was started in August 2000, in the walled city area of Delhi. A rapid need based assessment survey was done by IHBAS and Ashray Adhikar Abhiyan (AAA), an NGO working for empowering the homeless people. The other members of this survey team included department of Psychology, University of Delhi; World Vision; Narcotic Anonymous and Caritas. The observations of the survey revealed that catering to the physical and mental health needs is fundamental for efforts of betterment of the quality of life of these homeless people and that presently such service is virtually non existent.

The efforts of all the participant organizations of the rapid assessment survey culminated in formation of Health Initiative Group for Homeless (HIGH), for the homeless people of Delhi.

A Mobile Health Clinic was started in September 2000 by the HIGH partners. A team of psychiatrists; physicians; postgraduate DNB psychiatry students as part of

their community psychiatry training; members of NGO's like AAA, Youth Reach, Sahara and volunteers of the homeless community started to run the clinic at Urdu Park, Jama Masjid twice in a week on Monday and Thursday. Later HIGH started a once a week counseling 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. Since its inception and during this year the clinic has provided medical care to about 2,450 patients, 628 were having psychiatric disorders, majority of whom were substance use disorder patients. IHBAS provides most of the medicines given to patients attending the clinic. The medicines are dispensed free of cost.

**Outreach Community Services**

- |   |  |
|---|--|
| <ul style="list-style-type: none"><li>• <b>Chhatarpur Clinic</b></li><li>• <b>Jahangirpuri Clinic</b></li><li>• <b>Mobile Health Clinic for homeless near Jama Masjid</b></li></ul> | <ul style="list-style-type: none"><li>- <b>Every Monday/Thursday Morning</b></li><li>- <b>Every Wednesday/Friday Morning</b></li><li>- <b>Every Monday/Thursday evenings</b></li></ul> |
|---|--|

## **1.6 Radiology Services**

A total number of 1,927 X-rays were done in the year 2003. The CT Scan facility available at GTB Hospital, is also being used for IHBAS patients. In the current year 251 patients underwent CT Scan.

## **1.7 Pharmacy**

Ours is the only hospital where value added pharmaceutical service is provided to the patients by the pharmacists by dispensing drugs in an envelope separately and with proper labeling. Patient information leaflets about drugs prescribed are also distributed to the patients regularly.

Proper labeling of dispensed drugs help improving the patient's knowledge and compliance with therapy. The pharmacy provides information on dosage frequency, duration and precautions while dispensing the drugs. Drug management soft ware is used for reporting to the administration and it has simplified the work at the medical store. It also provides inputs for stream lining the procurement and distribution of drugs.

## **1.8 Day Care Centre and Occupational Therapy**

Day Care Center provides services to the follow up patients from the OPD as well as from the wards. A multidisciplinary team consisting of psychiatrists, clinical psychologists, psychiatric social workers and psychiatric nurses take part in rehabilitation of the day care patients. The patients are trained in social and vocational skills. A structured working programme for patients consisting of group sessions attending the day care center has been developed. This unit provides supportive services for the recovered and recovering patients. It is planned to provide vocational training in areas like tailoring, candle making and activities like indoor and outdoor games. 101 visits by patients were made to the day care center.

## **1.9 Physiotherapy Services**

Physiotherapy services in IHBAS were started in August 1995. Patients with acute neurological deficit like hemiplegia, paraplegia, progressive muscle and nerve diseases, cervical and lumbar spondylosis etc are provided active and passive rehabilitative programme. Pain relieving modalities are actively used. From the indoor and outdoor services 6,540 patients availed different modalities of modern physiotherapy services.

Multi gym equipments were also installed in this year for the therapeutic purpose to the needed patients and staff.

The experienced physiotherapists are also involved in clinical training to the students of physiotherapy, from different institutions in IHBAS from time to time.

## **1. 10 Psychiatric Social Work Services**

The psychiatric social workers provide psychosocial intervention to the patients and their families. Most intervention plans are primarily centered to achieve the following broad objectives.

- Helping the client system and their families to avail psycho-social intervention
- Imparting psychosocial education to patient and their families.
- Ensuring humanitarian approach from different segments for mentally disturbed individuals and their families.
- Rehabilitate patients in suitable environments.
- Contributing towards the overall growth of psychiatric social work objectives and department for effective service delivery system.



The staff conducted 1619 counseling sessions during the year to impart psycho education to the patients and their families. The psychiatric social workers conducted counseling sessions to enhance the level of understanding about illness and the role of psychosocial factors in the outcome of illness. Counseling was provided to the family members and to the clients in adult psychiatry unit and in different specialty clinics like Drug abuse, mental retardation, child guidance clinic etc. In 68 cases home visits were conducted to assess the families and bridge the gap between families and mental health professionals. During this year 49 patients were rehabilitated. After persistent efforts made by the psychiatric social workers 79 patients were discharged. 88 court visits were done by psychiatric social workers. In the DATRC ward 47 group meetings were also conducted. Psychiatric social workers were also involved in community outreach programme and in various academic activities organized by the institution. Communications through phonogram, letter, and telephone electronic media was also maintained.

Psychiatric social workers have been actively involved in arranging medical/surgical devices, important investigations as well as other rehabilitation aids at concessional rates for the poor patients.

The department staff has been actively involved in providing clinical training to different social work students for concurrent field work and for block placement from different colleges of Delhi University, Jamia Millia Islamia and from Bhopal and Banaras Hindu University.

### **1.11 Kitchen Department**

The staff of the Kitchen services at IHBAS consists of one Dietician, a part time Storekeeper, 10 Cooks and 4 Attendants that caters to about 200 indoor patients daily. The patients' complete nutritive requirement is taken care of through daily meals, comprising of bed tea, breakfast, mid morning soup, lunch, tea and dinner which provide adequate calories and high protein diet.

Besides the routine meals, special programmes/events/festivals have been organized and celebrated over the past year, for which patients were served special menus/dishes at meals. Among the special programmes were 15 major Indian festivals and eating out lunch/ dinner every 4<sup>th</sup> Sunday of each month.

## 1.12 HOSPITAL STATISTICS AT A GLANCE

Total number of OPD registration in the OPD

<b>OPD Statistics</b>	<b>2002</b>	<b>2003</b>	<b>Change %</b>
<b>Psychiatry</b>	1,01,790	1,06,529	+4.6
New Cases	13,437	14,804	+10.2
Follow up	88,353	91,725	+3.8
<b>Neurology</b>	30,870	37,570	+21.9
New Cases	5,691	5,509	-3.2
Follow up	25,179	32,061	+27.3
Total number of Emergency Cases	5197	6862	+32.03

<b>Inpatient Statistics</b>	<b>2002</b>	<b>2003</b>	<b>Change %</b>
<b>Psychiatry</b>			
Admissions	1,129	1,220	+8.0
Discharges	1,127	1,197	+6.2
Deaths	8	3	---
Bed Occupancy rate (%)	93.7	90.9	-2.8
<b>Neurology</b>			
Admissions	711	654	-7.9*
Discharges	709	653	-7.8
Deaths	7	4	---
Bed Occupancy Rate (%)	75.5	77.9	+2.4

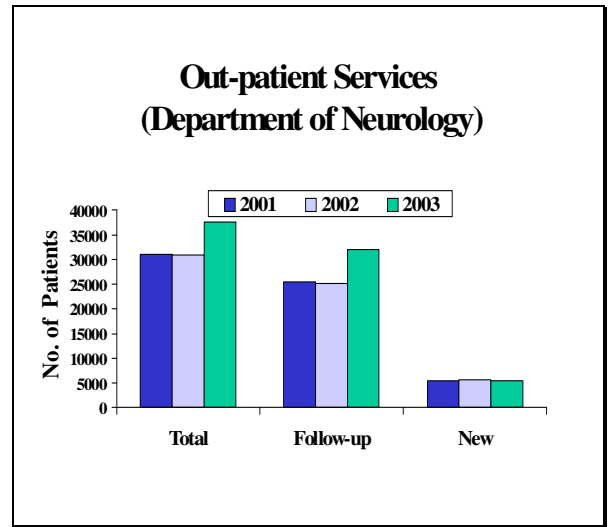
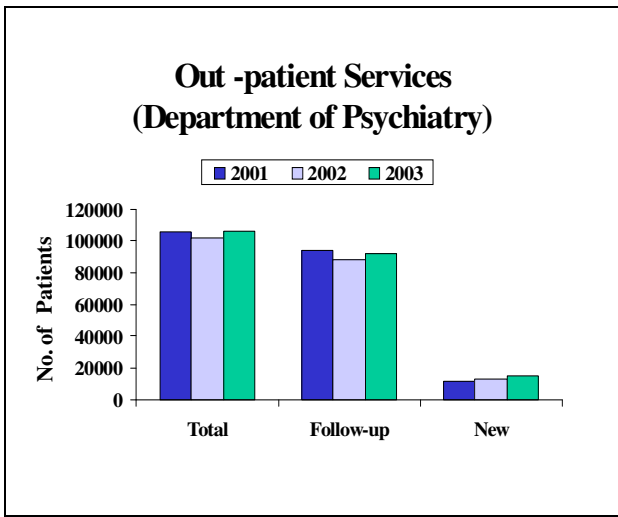
<b>Specialty Clinic</b>	<b>2002</b>	<b>2003</b>	<b>Change %</b>
Child and Adolescent Psychiatry Clinic	1,599	1,992	+24.5
Mental Retardation Clinic	2,267	2,710	+19.5
NeuroBehaviour Clinic	246	540	+54.4
Movement Disorder Clinic	105	359	+70.7
Marital Psychosexual Clinic	520	445	-14.4
Drug Abuse Treatment Rehabilitation Clinic	5,951	4,548	-23.5
Tobacco Cessation Clinic	518	664	+28.1
Epilepsy clinic	--	141	--

<b>Community Out Reach Clinic</b>			
Jahangirpuri Clinic	4,708	6,698	+42.2
Chhtarpur Clinic	2,943	8,941	+71
Mobile Health Clinic for Homeless (MHCH)	3,000	2,450	-18.3

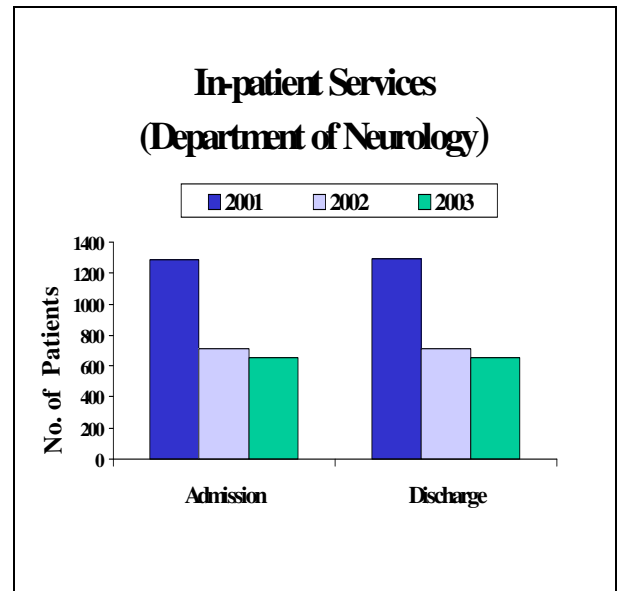
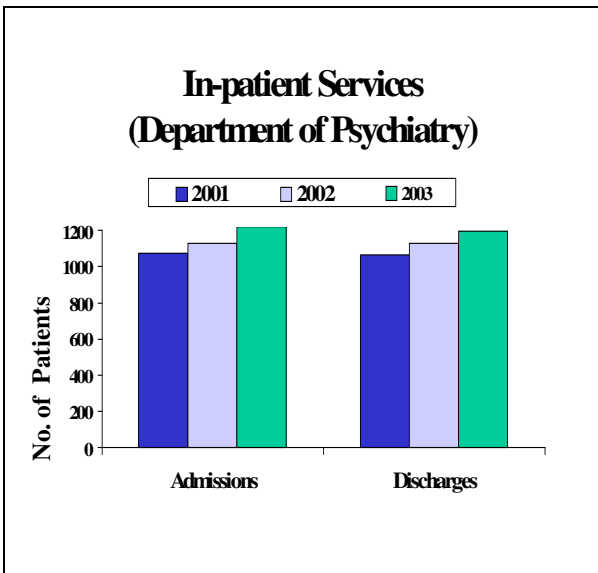
<b>Laboratory Services</b>	<b>2002</b>	<b>2003</b>	<b>Change %</b>
Laboratory Services (No.of Investigations)	67,582	69,208	+2.4
Electro Cardiography (No. of Investigations)	645	476	-26.2
Electroencephalography (No. of Investigations)	285	1,147	>100
X-rays (No. of patients)	1,341	1,927	+43.6
EMG, NCV & Evoked Potential (No. of patients)	344	246	-28.4
Electro convulse therapy	764	437	-42.8
Clinical Psychology Sessions	5,041	6,089	+20.7
Psychiatric Social Work (Counseling Sessions)	---	1,245	--
Physiotherapy Services	3,900	2,864	-26.5
Occupational Therapy services (patient visits)	454	101	-77.7

\* Due to improvement of outpatient service and consistent follow up

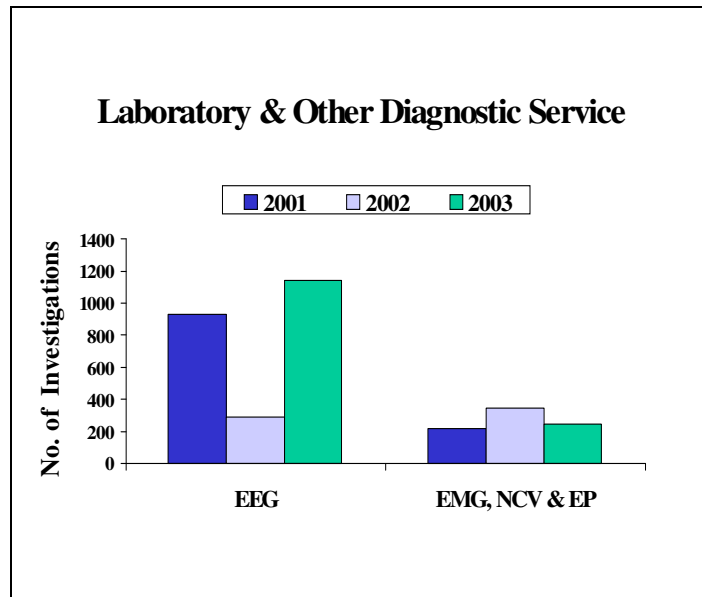
## Out-patient services



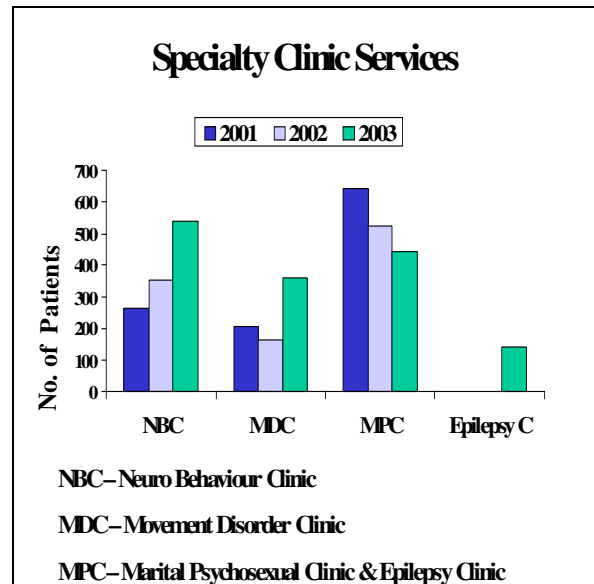
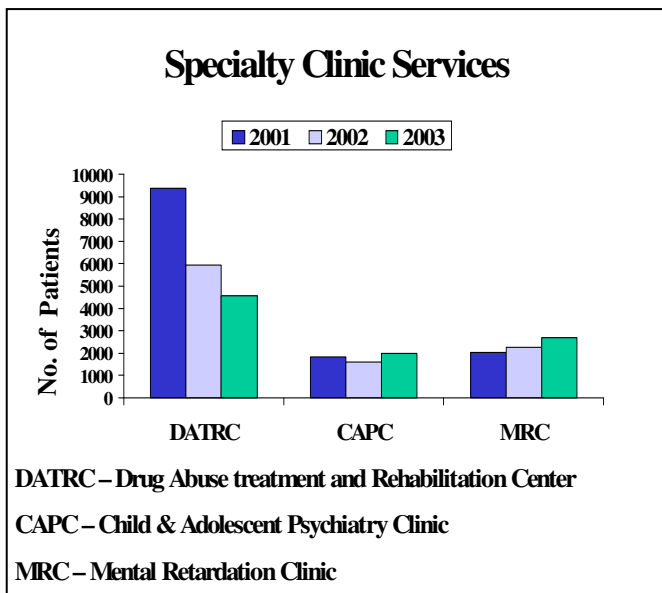
## In-patient services



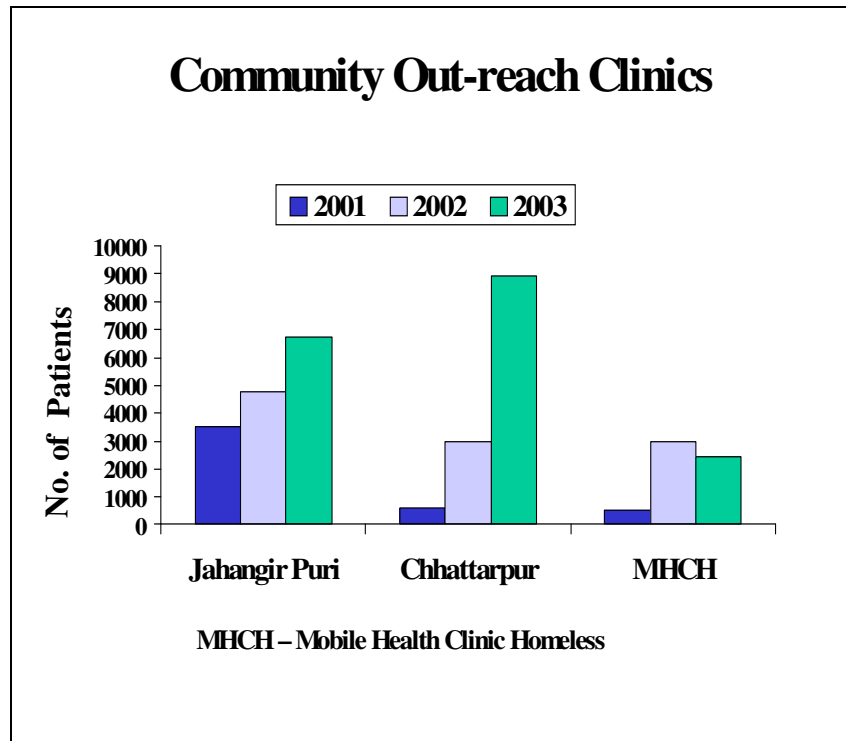
## Laboratory Services



## Specialty Clinic Services



## Community health services



## 2. TEACHING AND TRAINING

### 2.1 MD and DNB psychiatry

The institute is currently running three year post graduate DNB (Diplomat of National Board) in psychiatry. It is affiliated to the National Board of Examinations, Government of India. In the year 2003, 03 new post graduate students were registered for the DNB course. The course started in 1999. Since then more than 13 students have done their DNB from the institute. MD Psychiatry course was started under Delhi University in May, 03. Two students joined the MD course this year.

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### 2.2 Psychiatric nursing

Nursing care for neuropsychiatric patients is somewhat different from general nursing care that its nurses are trained and taught to deliver special care to the psychiatric patients. Nursing students from other hospitals namely Kasturba,

Apollo, Deen Dayal Upadhyay, Holly family, GTB, Safdarjung, Sir Ganga Ram, Hindu Rao, Baba Hari Dass, St. Stephen, from Delhi and Guru Nanak hospital, Punjab, Fortis School of Nursing Mohali etc. undergo regular training at the Institute. Some of the nurses from the institute are also sent to other advanced institutions for specialized training.

### **2.3 Psychiatric Social Work**

Ten students of Masters in Social Work from various institutions such as Delhi School of Social Work, Vidhya Peeth, Varanasi. Jamia Milia Islamia and Institute of Advanced Studies in Education, Bareilly received training in psychiatric social work.

### **2.4 Clinical Psychology**

M.A. Psychology students of University of Delhi, Poorvanchal University, Jaunpur, Guru Jambheshwar University, Hissar and Jamia Milia Islamia University visited the institute for the clinical posting in clinical psychology.

### **2.5 Training under DMHP programme**

IHBAS was identified as a resource centre for the implementation of District Mental Health Programme (DMHP) in North India in the year 1999. The objectives of DMHP were:

- To provide sustainable basic mental health services to the community and to integrate these services with other health services.
- To reduce the stigma attached towards mental illness through change of attitude and public education.

Certain modifications had been incorporated in the methodology while implementing DMHP in Delhi primarily due to the uniqueness associated with the state of Delhi. It being a 'city' state, divided into nine districts, densely populated, existence of urban mental health problem and multiplicity of agencies providing health services at various levels. The various activities of DMHP included outreach clinic running at Chhattarpur, South District, Delhi twice a week (on every Monday and Thursday) from 10:00 a.m. to 1:00 p.m. and an additional clinic has been adopted and operational on every Wednesday and Friday from 10:00 a.m. to 2:00 p.m. at Babu Jagjivan Ram Memorial Hospital, Jahangirpuri, North-West District, Delhi. Also Mental Health care programme for homeless at Jama Masjid area has been included in collaboration with AAA, an Action-aid India Project.

Other activities of DMHP are developing linkages with ANGANWADIS, NGOs working with women's issues, ICMR-WHO supported Urban Mental Health Project for technical inputs and WHO supported Tobacco Cessation Clinics

The "Community Contact Programme" was initiated with community leaders from six field areas of Delhi. A meeting of community leaders from six field areas including Dilshad Garden, Nand Nagari, Ramprastha, Jahangirpuri, Chhattarpur and Preet Vihar was called on the Mental Health Day, 10 October, 2003 with the objective to understand community knowledge and perception about the mental illness.

From the two out reach clinics at Chhattarpur and Jahangirpuri further outreach have been initiated at Missionaries of Charity at Majnu ka Tilae and Bhatt mines and NGO run centers (Sudinalaya), Ashram.

## **2.6 Training received by IHBAS staff as a part of human resource development**

- Sh. SK Pandey, Lib. & Doc. Officer, IHBAS attended two days training programme on "IT policy on health services, GNCT, Delhi conducted by IT department., GNCT, Delhi at Delhi Secretariat, Delhi.
- Sh. SK Pandey, Lib. & Doc. Officer, IHBAS was awarded Ph. D Degree by V.B.S. Purvachal University, Jaunpur (UP) on his thesis "Library professionals: sociological study of medical libraries located in Delhi" during the year 2003.

## **2.7 Seminars/Symposia/Workshops/Conferences Organized at IHBAS**

- World Epilepsy Day was celebrated on November 17, 2003. An awareness programme for the patients was held at IHBAS along with exhibition depicting various aspects of epilepsy. Painting and sports competitions were also held for children with epilepsy.
- ICMR-WHO National Workshop on 'Disaster Management with special reference to mental health', December, 2003.
- General Practitioner's Training Programme in Neuropsychiatry was held from 17<sup>th</sup> January to 27<sup>th</sup> March, 2004
- In collaboration with rational polio surveillance project (WHO) a workshop was held on Acute Flaccid Paralysis (AFP) on March 18, 2004. The scientific deliberations included lectures on clinical approach to a case of AFP and Strategies for Polio Eradication and Role of AFP for Surveillance.



## **2.8 Public Awareness Programmes**

- Community programme on risk factor for stroke focusing on High Blood Pressure and Diabetes was organized on 27<sup>th</sup> March 2004 in collaboration with Ramprastha Senior Citizen's Association (Reg.)

### **3. RESEARCH PROJECTS**

#### **3.1 Projects completed**

- **A survey of burden and coping strategies of patients with mental disorder** under the department of psychiatry funded by ICMR. Dr. RK Chadda was the Principal Investigator. The project started in November 2001. Patients with severe mental disorders like schizophrenia and bipolar affective disorder suffer from a great degree of disability and are a major source of burden to their caregivers and families. The burden faced by caregivers of patients with schizophrenia and bipolar affective disorder, coping strategies used by them in a prospective design was assessed using quantitative and qualitative approaches. Assessments were done at the time of intake, and after three and six months. The results showed that the two case groups did not differ from each other in severity of psychopathology or various socio-demographic characteristics as the caregivers of the patients with bipolar affective disorder suffered nearly similar levels of burden as those of the schizophrenia at baseline.

#### **3.2 Ongoing Projects**

- **The ICMR task force project on suicidal behaviour** was taken up under psychiatry department. Dr. NG Desai is the Principal Investigator. The co-investigators are Dr. SN Sengupta, Psychiatry, Dr. TB Singh, Clinical Psychology and Dr. Praveen Sharma, Psychiatry. The project is of four years from 2004-2008. Out of sanctioned amount of Rs.25,15,000/- a sum of Rs.15,68,000/- has been received. The overall objectives of the main study is to study the descriptive and analytic epidemiology of suicidal ideation and behaviour. In descriptive component the prevalence of suicidal ideation and suicidal attempt in the community will be studied and in the analytical component there will be in depth study of correlates of suicidal ideation only. Also protective and risk factors contributory to suicidal attempt and the course of suicidal attempt among the ideators.

The Pilot study for this project was started in December 2001. The study was carried out at Nand Nagari colony and Deen Dayal Upadhyay Hospital and was completed in December 2002. The review of the work in the meeting suggested that the Pilot phase needs to be extended for another nine months as rate of occurrence of suicidal ideation reported in the Pilot phase was considered by

the experts rather lower than what is expected in the general population across socio-economic strata.

The Extended Pilot Phase study was carried out in two new colonies belonging to different socio economic strata (middle and upper middle) and was completed in time, the targets were met and the report of which was presented before the Expert Group meeting at ICMR on 29<sup>th</sup> September 2003. Looking at the results from both the pilot studies, the expert group recommended for the initiation of the main study.

It has been observed in the Pilot Phase that the rate of occurrence of reported suicidal ideas is not uniform across different socio-economic strata. Therefore for the Prevalence component, basic screening at population level using PPS technique (Probability Proportionate to Size) has been used to determine the sample size for studying the prevalence rate. For PPS sampling it is important to have information on the various type of categories of colonies along with their population in Delhi.

- Based on socio-economic status of the population of Delhi the various colonies were thus clubbed into six different categories namely 1.Regularized/Planned/Approved colonies, 2.Unauthorized colonies, 3.Rural and Urban Villages, 4.Resettlement colonies/Slums/JJ clusters, 5.DDA Flats/Cooperative societies and 6. Walled city/Others.
- For the Prevalence Component of the Main Study, fieldwork and data collection from thirteen colonies (selected through draw of lots) belonging to different categories (based on information from Town Planning Office) are to be carried out in Delhi.
- Data collection in the selected colonies (randomly selected) is in progress using GHQ-12 (General Health Questionnaire), (SRB) Suicide Related Behaviour, ICMR Psycho-Social Stress Questionnaire, ICMR Life Event Scale, Beck's Hopelessness Scale, Social Integration Assessment Schedule, Family Integration Assessment Schedule and Life History Protocol (LHP). From each colony 50 families are being randomly selected and in each family one male and one female respondent (above 12 years) are interviewed. Intervention on the screened ideators and attempters in the communities studied are also being carried out.
- **Strategies for community based neuropsychiatric services: identification and management of psychoses**", funded by WHO. Dr. NG Desai is the Principal Investigator. The project was started in September 2002. Till now

Rs.5,64,000/- has been received. Phase - I of the project has been completed and it has entered in phase II in January 2003. During Phase II the field staff training was conducted at IHBAS in May 2003 for administrations of PIQ in general medical OPD and IHBAS psychiatric OPD. Community screening was done by door-to-door survey in selected field area. Cases screened positive were then examined by psychiatrists and date was sent to Ballabgrah for analysis. At the end of phase II, based on data analysis, 10 item instrument (PIQ-10) was prepared for identification of psychosis. The extended Phase II started in August 2003 and completed in November 2003. The main objective of this phase was to estimate the sensitivity and specificity of the instrument in clinical setting in SEARO countries and also to estimate the proportion of psychotic patients attending clinics who screened negative. At the end of extended phase II a 10 question subset was developed for the identification of psychosis, which is for administration in hospital based samples. In January 2004 the project entered in the phase III. The objective of this phase is to assess PIQ-10 when administered by health care providers at primary level and also to assess the feasibility and effectiveness of management studies when administered by health care providers at primary level. The targets are being met till date and the project is proceeding as per schedule. The SEARO-WHO is now considering to start next phase from January 2005 which will be multisided inter-country project.

- **Urban mental health problems and their services needs** under the department of psychiatry funded by WHO/SEARO. Dr. NG Desai is the Principal Investigator. The project started in January 2003. A sum of Rs.15,82,000/- has been received. IHBAS is also the nodal center for three research centers – Delhi, Lucknow and Chennai. The objectives are to study the utilization pattern of existing mental health care facilities in geographically defined urban area and assess their strengths and weaknesses, the pattern of mental health problems, to identify and develop strategies for early identification of mental health problems and to suggest necessary intervention. The study was divided in two phases – Pilot phase from January 2001 to June 2004 and main study from July 2004 – 2007. The activities carried out from 1<sup>st</sup> April 2003 to 31<sup>st</sup> March 2004 are study of another field area – Sundernagri in East Delhi having population 10,000 and represents urban slum. The pilot phase report of all the three research sites was compiled. The general practitioners training programme in neuropsychiatry was also organized at IHBAS from 17<sup>th</sup> January 2004 to 27<sup>th</sup> March 2004. During this period preliminary work was done in studying the current intervention methods used by NGOs for victims of domestic violence.

- **Behavioural risk factors surveillance for non –communicable diseases: An exploratory study into the determinants and community perceptions in India**, funded by ICMR. Dr. NG Desai, Professor & Head, Department of Psychiatry & Medical Superintendent is the Principal Investigator. The Co-Investigators are Dr. UK Sinha, Clinical Psychology and Dr. DK Gupta, Psychiatry. The project started in January 2004. The present study aims at surveillance of behavioural risk factors of non-communicable diseases (NCD's) and identification of risk behaviours, community and individual's attitude toward these factors and barriers in controlling these risk behaviours. The factors to be studied are knowledge about risk factors, perception of potential harm or risk perception, health belief system, perception of self efficacy in controlling risk behaviour, stress and coping, temperamental make up and attitude. Till date data pertaining to general household and demographic information use of tobacco, alcohol, balance diet, physical inactivity, blood pressure, physical measurement etc have been already collected. Presently data collection for behaviour and physical risk factors is going on from the slum area (Sundernagri) smoothly. Also development of instrument of qualitative data collection and biochemical risk factors is in progress.
- **Genetic Markers: Vulnerability to common neuropsychiatric diseases** under the department of neurochemistry funded by ICMR. Dr. Suman Kapur is the Principal Investigator. The project started in January 2002 and budget of Rs.18,89,708/- has been received. The aims and objectives are to study the allelic polymorphism in the Apolipoprotein E (APOE4) gene in relation to vulnerability to Alzheimer's disease; in cholecystokinin A receptor (CCK-AR) gene in relation to vulnerability to schizophrenia; in alcohol dehydrogenase (ALDH) genes in relation to vulnerability for alcohol abuse/dependence;  $\mu$  omega receptor ( $\mu$ OR) gene in relation to vulnerability for heroin abuse/dependence. Samples from patients visiting IHBAS and their family members are being used for this study. Genomic DNA isolated from the blood is used for polymerase chain reaction (PCR). PCR products are being analyzed for presence/absence of specific restriction sites. A total of 350 samples have been collected till date for all the four disorders in which 30 samples of alcohol dependents have also been analyzed. All thirty patients diagnosed to be alcohol dependent were found to carry the  $ALDH_{2-1/2-1}$  allele. Amplicon formed in case of all 30 patients displayed the *Mbo II* site reflecting that none of them had the  $ALDH_{2-1/2-2}$  or  $ALDH_{2-2/2-2}$  alleles which lack this site. For ADH2 gene, all 30 patients were found to carry  $ADH_{2-1/2-1}$  allele which does not have a site for the restriction enzyme *Eco 911*. None of the patient DNAs yielded an amplicon with a site for *Eco 911* enzyme which would be expected if  $ADH_{2-1/2-2}$  or  $ADH_{2-2/2-2}$  alleles were present. Similarly 14 patients diagnosed

with probable Alzheimer's disease were analyzed for the APOE alleles. 95% patients were found to carry the APOE<sub>2</sub> allele, which is known to increase an individual's risk for developing Alzheimer's disease.

### 3.3 Honors and Awards

- Dr. NG Desai, Dr. RA Singh and Dr. Deepak Kumar are co-recipients of Marfatia Award for the best paper by a Fellow at the Indian Psychiatric Society Conference, Mysore, Jan 2004.
- Dr. M. Gourie- Devi was nominated as a member of the Scientific Advisory Board of Indian Council of Medical Research (ICMR), New Delhi. Dr. Rajeev Thakur was invited as a consultant to work with **International Atomic Energy Agency (IAEA)**, a United Nations Organization. Dr. Thakur worked in a project on **Molecular Nuclear Techniques in Communicable Diseases** from May 2003 to November 2003 for a period of **six months** at **Vienna, Austria**.

## **4. REPORTS OF DEPARTMENTS**

### **4.1 PSYCHIATRY**

The much awaited MD (Psychiatry) course was started with the first batch of two students joining in May 2003 under University of Delhi. The department of psychiatry expanded the scope of various mental health care activities. Areas being developed are child and adolescent mental health and community mental health including services for homeless mentally ill. The Institute is running a specialty clinic for Tobacco Cessation Clinic under the Tobacco Cessation Programme of the Ministry of Health and Family Welfare. The department is also running three community outreach clinics in Delhi under the District Mental Health Programme of the Ministry of Health & Family Welfare, Government of India. The faculty has contributed to a variety of research and training related activities.

#### **4.1.1 Hospital services**

The department continues to provide quality care to the patients. This is evident by a 5% increase in the total OPD attendance during the year 2003 as compared to the previous year. Inpatient services have also shown a continuous improvement with 8% increase in the number of admissions this year. The department provides the following specialized services:

- Community Mental Health Outreach Services
- Mobile Health Clinic at Jama Masjid
- Child & Adolescent Psychiatry
- Mental Retardation Clinic
- Marital & Psychosexual Clinic
- Tobacco Cessation Clinic
- Caregivers Group Meetings
- Patient Staff Group Meetings

#### **4.1.2 Teaching and Training**

After continuous laborious efforts IHBAS started post graduate course in psychiatry with the first batch of two students joining in May 2003, under university of Delhi. The teaching occurs at unit level (clinical skills) as well as at the departmental level through case conferences, seminars, journal clubs, tutorials and lectures. The Department offers five academic sessions every week for the postgraduate training. The department also organizes academic activities like symposia and CME programmes for psychiatrists, general practitioners and health professionals. It conducts training courses for medical officers and paramedical health professionals under the District Mental Health Program. Interdepartmental seminars are organized regularly to facilitate interaction between different disciplines.

#### **Tobacco Cessation Clinic (TCC)**

- **Tobacco Cessation Clinic** is a service oriented project sponsored by WHO and Ministry of Health and Family Welfare. Dr. NG Desai is the principal investigator and Co-Principal Investigators are Dr. SN Sengupta, Psychiatry, Dr. RA Singh, Psychiatry, Dr. Uday Kumar Sinha, Clinical psychology, Dr. Deepak Kumar, Psychiatry. WHO initiated tobacco cessation clinics project in developing countries including India. Officially functioning of the clinics started across 12 centres in India including IHBAS on 31<sup>st</sup> May 2002 i.e. “World No tobacco Day”. The aims and objectives were to generate experience in setting up tobacco treatment in different setting, to study the feasibility of implementing treatment modules and their acceptance by the patient, to increase awareness and sensitise people of all age groups, to initiate cessation of tobacco use and to encourage the needy to seek help from the health professionals and if necessary to engage them in intensive treatment programme. ‘World No Tobacco Day’ was celebrated on 31<sup>st</sup> May 2003. Various activities of TCC include running of Tobacco Cessation Clinic, distribution of pamphlets & handouts in the OPD area, adjacent communities and out reach clinics at Jahangirpuri and Chattarpur. Also various community awareness initiative were taken resident welfare associations of the local community were contacted to increase the awareness about tobacco. Along with exhibitions, awareness camp was also organized at Swami Dayanand Hospital, Shahdara, Delhi. Liaison with General Practitioners were made to refer the cases.



IHBAS was the National Co-ordinating and Resource Centre of all the twelve TCCs in India.

The total No. of cases seen at TCC clinic, IHBAS was 152 from April 2003 to 31<sup>st</sup> March 2004. Out of 152 patients, 22 quit tobacco, 35 reduced, 45 showed no change and 50 had no contact after the initial visit.

Other activities performed were distribution of handouts at OPD areas, adjacent communities and out reach clinics at Jahangirpuri and Chattarpur. Resident Welfare Associations of the local community were also contacted to increase the awareness about tobacco.

### **Urban Mental Health Project (UMHP)**

Dr. NG Desai is the Project Coordinator of **Urban Mental Health project and their service needs** funded by WHO-ICMR project at IHBAS, which is also the nodal center for three research centers.

- ‘General Practitioners’ Training Programme in Neuropsychiatry was held at IHBAS from 17<sup>th</sup> January to 27<sup>th</sup> March, 2004.
- Meeting of Experts groups was held at IHBAS on 13<sup>th</sup> December, 2003.
- ICMR review meeting was organized at IHBAS on 27<sup>th</sup> March, 2004.

#### **4.1.3 Organization of CMEs/Symposia/Conferences**

- ICMR –WHO national workshop on ‘Disaster Management with special reference to Mental Health’, December 2003 at IHBAS, Delhi. Dr. NG Desai was the convenor of workshop.
- ‘General Practitioners’ Training Programme in Neuropsychiatry was held at IHBAS from January 17, 2004 to March 27, 2004.

#### **4.1.4 Professional Affiliations**

- Dr. DK Gupta was elected as Temporary Advisor to WHO-SEARO at its meeting of experts on psychosis at Bangkok, August 2003 titled “Inter country workshop to finalize the management of psychosis in the community.
- Dr. DK Gupta was elected on guest Co-Editor, Family Medicine, India.

#### **4.1.5 Papers Presented in Conferences/Symposia/Workshops**

- Dr. NG Desai delivered lecture in the Inaugural Key Note Section at an International Conference on Recent Advances in Transcultural Mental Health Care at London on 25<sup>th</sup> & 26<sup>th</sup> April, 2003.
- Dr. NG Desai provided training for their team in the administration of GHQ 12 and the related mental health concepts of the International Institute for Population Sciences at Bombay on 5<sup>th</sup> April, 2003.
- Dr. NG Desai conducted two hour session on “Preparing for PG Examination” to PG Students from Western Region as a part of the two day teaching programme in psychiatry at Hotel Mount Abu, Rajasthan on 12<sup>th</sup> to 13<sup>th</sup> July, 2003.
- Dr. Somnath Sengupta presented a paper on ‘Psychological Management of Dementia’ in midterm CME, Indian Psychiatric Society, North Zone on 11<sup>th</sup> April, 2004 at Amritsar.
- Dr. RA Singh delivered a lecture on ‘Psychiatric aspects of HIV/AIDS’ at regional workshop for training of trainers held at Delhi under Delhi AIDS society and Directorate of Health and Family Welfare, Govt. of India in March 2004.
- Dr. Gupta DK (2004) “Overview of Psychiatric problems in General Practice”. Presented in General Practitioners Training Programme organized at IHBAS January-March, 2004.
- Gupta DK (2004) “Physical manifestations of psychological conditions”. Presented in General Practitioners Training Programme organized at IHBAS January-March, 2004.
- Gupta DK (2004) “Targeted Intervention Injecting Drug Users”, Presented at Training of Trainers in Counseling for HIV/AIDS, organized by NACO, Feb 2004.
- Gupta DK, Desai NG, Sharma PK, Sinha U & Singh AP (2003) “Community based strategies for management of psychoses”. Presented at Annual conference of Delhi Psychiatric society in December, 2003.
- Gupta DK (2004) Mental Health aspects of Disaster Management: Intermediate Disaster Presented in ICMR Mental Workshop on Disaster Management, December, 2003 and Mental Health.
- Dr. Suman Sinha, Dr. Gupta DK, Dr. Kumar D, Dr. Desai NG, Mr. Kumar S, “Effectiveness of month long community awareness campaign at two out reach center under DMHP” presented at 56<sup>th</sup> Annual Conference of IPS Mysore on January, 2004.

- Dr. Suman RK, Dr. Singh RA, Dr. Gupta DK, “Prevalence, severity and clinical correlates of obsessive, compulsive features in schizophrenia – Across sectional study” presented at 56<sup>th</sup> Annual Conference of IPS, Mysore on January, 2004.
- Dr. Deepak Kumar presented a paper on ‘Bipolar Disorders – Indian Science’ in the Annual Conference of Delhi Psychiatric Society in December, 2003.
- Dr. Deepak Kumar presented a paper on ‘Urban Mental Health – How complete or incomplete at Annual Psychiatric Conference, ANCIPS at Mysore on January 2004.
- Dr. Deepak Kumar presented a paper on ‘Effectiveness on month long community awareness campaign at two outreach centre under DMHP at 56<sup>th</sup> Annual conference, ANCIPS, 2004 at Mysore on January, 2004.

#### **4.1.6 Publications (Books/Monographs/Chapters in Books/Research)**

- Desai NG et al. (2003) Get high on life without alcohol, World Health Organization Monograph Prevention of Harm from Alcohol Use: WHO-SEARO.
- Vaswani M, Desai NG (2004) HIV infection and High risk Behaviour in opoid dependent patients: The Indian Content. Addict Behaviour 29(1), 1699-1705.
- Vaswani, M, Desai NG (2004) Alcohol dehydrogenase: an Indicator of Hepatic Damage or a Marker in Alcohol Dependence. Addictive Disorders & their treatment, 2, 53-58.
- Desai NG, Tiwari SC, Nambi S et al. Urban Mental Health Services in India: How Complete or in complete? Indian Journal of Psychiatry.
- Kar N, Sengupta SN, Sharma PSVN, Rao G. (2003) Predictors of outcome following alcohol de-addiction treatment – a prospective one year longitudinal study - Indian Journal of Psychiatry V 45, N111, 174-177.
- Chaturvedi S, Radhakrishna G, Singh RA, Desai NG, Bhatia A, Thakur R. (2004) Higher rate of benign cellular changes of uterine cervix in women with chronic mental illness. Tropical doctors 34 186-187.
- Singh RA, Desai NG (2003) Siblings affected with schizophrenia and schizoaffective disorders. Demographic and clinical variable Indian Journal of Psychiatry. 45 supplement .82.
- Singh RA, Gupta DK (2003) Depressive Disorders. Family Medicine India. 7(2): 17-19.
- Desai NG, Gupta DK, Singh RA (2003) Alcohol Use Problems. Family Medicine India 7(2): 30-37.
- Shivalkar R, Gupta DK (2003) Approach to a patient of insomnia. Family medicine India 7(2): 64-69.

- Desai NG, Gupta DK, Srivastava PK (2004) Prevalence, pattern and predictors of mental health morbidity following an intermediate disaster in an urban slum in Delhi: a modified cohort study, Indian Journal of Psychiatry, 46, 39-51.
- Gupta DK (2003) Mental health services in the urban areas: Myth of adequacy (Editorial) Delhi Psychiatric Bulletin, 6 (1) 5.
- Chandra R, Bhatia MS (2003) Venlafaxine – A step towards idealism. The Indian practitioner. Vol 56 (7), 473-485.

### **Conferences /Symposia/Workshops/Meeting**

- Dr. NG Desai attended the following Conferences/ Symposia/ Workshops/ Meeting
  - Training programme of the International Institute for Population Sciences at Bombay on April 5, 2003.
  - Executive Council Meeting of the IPS at Mysore on April 6, 2003.
  - SEARO/WHO Inter-country Workshop in Bangkok (Thailand) on August 22 –24, 2003.
  - NHS International Fellowship interview in UK from November 17-22, 2003.
  - National meeting of the Investigators of the Tobacco Cessation Clinics at Karamsad, Anand (Gujarat) from April 9 -10, 2003.
  - A public awareness programme to answer questions from viewers on “Schizophrenia” on NDTV 24x7 on June 13, 2003.
  - An interview as member in the Selection Committee for the Selection of Scientist III, IV and V at NBRC, Gurgaon on July 2, 2003.
  - As a Guest Speaker in the Seminar at Lodhi Estate, New Delhi on July 3, 2004.
  - Inter-country Workshop on Meeting the Mental and Neurological Health Needs of the Elderly at WHO New Delhi on July 28-29, 2003.
  - Annual conference of Gujarat State Branch of Indian Psychiatric Society at Udaipur, Rajasthan from August 15-17, 2003.
  - International Conference of Psychiatry at Colombo, Sri Lanka from August 17-20, 2003.
  - Convocation of NAMS at Indore on September 6, 2003.
  - IPS National MID Term CME 2003 at Gangtok, Sikkim on September 13-14, 2003.
  - Investigators of the Tobacco Cessation Clinics at NIMHANS, Bangalore on December 7-8, 2003.
  - The Inaugural Function and to Chaired a Session at International Symposium at the NBRC on December 16-17, 2003.

- Representative from Network Centres of National Brain Research Centre at Gurgaon on December 17, 2003.
- 56<sup>th</sup> Annual National Conference of the Indian Psychiatric Society at JSS Medical College at Mysore from January 8-11, 2004.
- South East Asia Regional Meeting and delivered a Lecture on Research in Mental Health Services of Disadvantaged Population at All India Institute of Medical Sciences (AIIMS) on January 20-21, 2004.

## **4.2 NEUROLOGY**

The Department of Neurology is providing out patient, inpatient and emergency services. The ICU is equipped with advanced life support system e.g. ventilators, defibrillator, Cardiac Monitor etc. for critical neurology patients like patients with SE, GBS, CVA, meningitis etc. The General Neurology OPD is held daily. All types of neurological problems like epilepsy, headache, cervical lumbar spondylosis, spinocerebral ataxia etc are evaluated and managed. There has been a substantial increase in the patients availing the outpatient facility by 29 %.

### **Specialty Clinics**

The specialty clinic for the patients who require comprehensive approach and special attention are held for different disorders. These specialty clinics are held once a week. The patients are referred from General Neurology OPD and from Psychiatry OPD.

#### **Neuro-Behaviour Clinics (Friday 2.00 pm - 4.30 pm)**

This clinic deals with the patients who have cognitive decline and behaviour abnormality. The elderly patients with memory problems are intensively evaluated by a team of Neurologist, Psychiatrist and Clinical Psychologist. Special attention is given to the caregivers of the Dementia patients. They are being counselled and treated accordingly. The counseling sessions are held regularly by our social workers. The interactive and educative programmes are held regularly for caregivers of Dementia patients.

#### **Movement Disorder Clinic (Wednesday 2.00 pm - 4.00 pm)**

Patients with all types of movement disorders are comprehensively worked up in this clinic. Botulinum toxin injection for various types of focal dystonias e.g. blepharospasm, hemifacial spasm, torticollis, writers cramps etc. is given to selected patients as a part of specific treatment modality.

### **Epilepsy Clinic (Tuesday 2.00 pm – 4.00 pm)**

This clinic is conducted for chronic epileptic patients with special emphasis to children and women with epilepsy. Special attention is given to these groups of patients in order to manage their epilepsy, improve their awareness and eliminate the prevalent myths about epilepsy. Epilepsy Support Groups enables the patients and their family members to talk about their psychosocial problems. These are further guided by a team of neurologists, clinical psychologists and psychiatric social worker.

#### **4.2.1 Diagnostic Services**

The Department of Neurology of IHBAS provides all the advanced Electrophysiological investigations. Nerve conduction Velocity (NCV), Electromyography (EMG), Somato-sensory Evoked Potential (SSEP), Visual Evoked Potential (VEP) and Brain Auditory Evoked Potential (BAEP). These are done routinely for patients of IHBAS and for referral cases from other hospitals.

Digital Video EEG was installed in the department in August 2003. Video EEG is an important investigation required for the diagnosis of a typical seizures, pseudo-seizures, etc.

#### **4.2.2. Teaching and Training**

Regular teaching of Junior Residents, Senior Residents and DNB students are held twice a week. The recent advances in the field of neurology are discussed in seminars and Journal clubs. Basic electrophysiology training is given to all the residents.

### **RESEARCH PROJECTS**

- Study of Vascular Dementia and Alzheimer's Disease (Unfunded).
- Study of 'Awareness about Epilepsy' in patients with epilepsy and their care givers (Unfunded).
- Behavioural and Psychological Symptoms of Dementia and its impact on caregivers (DNB thesis)
- Genetic Markers: Vulnerability to common Neuro-psychiatric disorders. (Alzheimer's Disease), ICMR.

## **Organization of CMEs/Symposium/ Conferences**

- World Epilepsy Day programme held on November 17, 2003. An awareness programme for the patients was held at IHBAS, an exhibition was displayed depicting various aspects of Epilepsy. Painting and sports competitions were held for children with Epilepsy followed by prize distribution to the participants. In the afternoon, a public awareness camp was held at 'PRAYAS', Jhangir Puri.
- A programme on Surveillance of Acute Flaccid Paralysis in collaboration with National Polio Surveillance project (WHO) held on March 18, 2004 (Thursday) from 1:00pm to 4:30pm at Conference Hall of IHBAS.
- Community Programme on Risk Factor for Stroke focusing on High Blood Pressure and Diabetes was organized on March 27, 2004 at IHBAS Conference Hall.

## **Participation in Symposia/Workshops/CME /Conference**

- Dr. Meena Gupta attended the following Symposia/Workshops/CME /Conference
  - WHO-IPA sponsored training workshop for General Practitioners "Mental Health Needs of the Elderly" at New Delhi on July 26, 2003.
  - 11<sup>th</sup> Annual Conference of Neurology on September 28-30, 2003 at Vishakhapatnam.
  - International Symposium on Headache on November 1-2, 2003 at Lucknow.
  - 7<sup>th</sup> World Parkinson's Day. International Symposium in Mumbai on December 6-7, 2003.
  - 52<sup>nd</sup> Annual Conference on Neurologic Society of India on December 12, 2003 at Chandigarh.
  - Stroke Symposium in a training programme for General Practitioners at IHBAS under UMHP in collaboration with IMA on January 17, 2004.
  - National Symposium on stroke held on January 30-31, 2004 at G.B. Pant Hospital, New Delhi.
  - Scientific session on February 22, 2004 at 6<sup>th</sup> DNA Annual Conference at Army Hospital, Delhi Cantt.
  - Intensive National CME Programme on Epilepsy and chaired a session on February 29, 2004 at GB Pant Hospital.

- Surveillance of Acute Flaccid Paralysis in collaboration with National Polio Surveillance Project (WHO) and chaired the session on March 18, 2004 at IHBAS.
- Dr. Kiran Bala attended the following Symposia/Workshops/CME /Conference
  - Annual Conference of Indian Academy of Neurology and chaired a walk-in poster session held from 28<sup>th</sup>-30<sup>th</sup> September, 2003 at Visakhapatnam.
  - 11<sup>th</sup> Annual Conference of Indian Academy of Neurology, held from 28<sup>th</sup>-30<sup>th</sup> September, 2003 at Vishakhapatnam.
  - Neurology CME on 12<sup>th</sup> December, 2003 at PGIMER, Chandigarh.
  - 52<sup>nd</sup> Annual conference of Neurological Society of India held from 13<sup>th</sup>-15<sup>th</sup> December, 2003 at PGIMER, Chandigarh.
  - Workshop on CYBERONICS VNS therapy for Refractory Epilepsy on 20<sup>th</sup> Dec, 2003 at Sir Ganga Ram Hospital, Delhi.
  - Stroke Symposium at G.B. Pant Hospital, Delhi held from 30<sup>th</sup> -31<sup>st</sup> January, 2004.
  - ‘Neuro Sciences update – 2004’ at R.R. Hospital, Delhi on 19<sup>th</sup> - 20<sup>th</sup> February, 2004.
  - Intensive National CME Programme on Epilepsy at G.B. Pant Hospital, Delhi on 29<sup>th</sup> February, 2004.

#### **4.2.3 Papers Presented in Conferences/Symposia/Workshops**

- Dr. Meena Gupta delivered a lecture on
  - Vascular Dementia at 13<sup>th</sup> UP Neurocon Conference at Institute of Medical Sciences, Varanasi on February 15, 2004.
  - Management of Epilepsy at General Practitioners Level at Training Programmed for General Physicians on 21<sup>st</sup> February, 2004 at IHBAS, Delhi.
  - Neurological disorders among tribals during National Workshop “Emerging Issues in Tribal Health Medicine” at Delhi University held on March 29-30, 2004.



- Dr. Kiran Bala delivered a lecture on
  - ‘Differential Diagnosis of Acute Flaccid Paralysis’ at workshop on AFP in collaboration with National Polio Surveillance Programme (WHO) on 18<sup>th</sup> March, 2004 at IHBAS, Delhi.
  - ‘Management of Stroke at General Practitioners Level’ at Training Programmed for General Physicians on 21<sup>st</sup> February, 2004 at IHBAS, Delhi.
  - ‘Neurological Manifestations in Hypertension’ at CME Programme on HYPERTENSION – RECENT ADVANCES held on 14<sup>th</sup> March 2004 at M.B. Hospital, Pooth Khurd, Directorate of Health Services, GNCT of Delhi.
  - Presented a paper on ‘Valporate Induced Encephalopathy’ at 11<sup>th</sup> Annual Conference of Indian Academy of Neurology held from 28<sup>th</sup>-30<sup>th</sup> September, 2003 at Visakhapatnam.
- Dr. Suman Kushwaha delivered a lecture on ‘Management of Headache’ at General Practitioners Level’ at Training Programme for General Physicians on 21<sup>st</sup> February, 2004 at IHBAS, Delhi.

#### **4.2.4 Publications (Journals/Books/Chapters in Books/ Research)**

- Gupta M, Singh G, Khwaja GA (2003) Botulinum toxin in the treatment of dystonias - a hospital based study. J Assoc Physicians India. May;51:447-53.
- Khwaja GA, Rajeev, Gupta M, Aggarwal J, Tatke M (2002) Isolated asymmetric iliopsoas weakness as a manifestation of mitochondrial myopathy – a case report. Neurosciences Today; Vol VI; No.2; April-June, 2002; 107-110.
- Sharma D, Gupta M, Thelma BK (2002).FMR1 haplotype analyses among Indians: a weak founder effect and other findings. Hum Genet.112(3):262-71. Epub 2002 Dec 14.
- Khwaja GA, Gupta M, Rajeev, Singh G, Sen K (2003) INH induced reversible cerebellar ataxia plus optic & acoustic neuropathy – a unique case. Neurosciences today; Vol.VII; No.3: 152-154.
- Khwaja GA, Gupta M, Prakash V, Kumar (2003) Contra lateral ischemic infarction due to vascular steal in a patient with cerebral AVM. Neurosciences Today; Vol.VII; No.4: 189-191.
- Khwaja GA, Gupta M, Chaudhry N, Mehndiratta NM, Tatke M, Singh D (2003) Cerebral Aspergilloma in an immuno competent patient. A case report with review of literati on published in Neurosciences Today; Vol.VII, No.2.

- Dr. Meena Gupta. Vascular Dementia in Proceedings of 13<sup>th</sup> UP Neurocon Conference at Institute of Medical Sciences, Varanasi held on February 15, 2004.
- Dr. Meena Gupta. Management of Single Small Enhancing CT Lesions Recent Perspective in Proceedings of 13<sup>th</sup> UP Neurocon Conference at Institute of Medical Sciences, Varanasi held on February 15, 2004.
- Dr. Meena Gupta. Neurological disorders among tribals in Proceedings of National Workshop “Emerging Issues in Tribal Health Medicine” at Delhi University held on March 29-30, 2004.
- Atul Prasad, Kiran Bala and K.S. Anand Acute Meningitis in Manual of Medical Emergencies 2003, 2<sup>nd</sup> Edition. Edited by Ashok Grover, Vinay Aggarwal, Prakash Gera & Rajiv Gupta. Pg. 665-671.
- Bala K, Gupta M, Suman S, ‘Valporate Induced Encephalopathy’ in Abstract Book of 11<sup>th</sup> Annual Conference of Indian Academy of Neurology held from 28<sup>th</sup>-30<sup>th</sup> September, 2003 at Visakhapatnam.
- Sujata Chaturvedi, Kiran Bala, Rajeev Thakur, Cytology as an Aid in the Evaluation of cases of Epilepsy in Abstract Book of 33<sup>rd</sup> Annual Conference of Indian Academy of Cytologists held at Pune from November 27-30, 2003.

### **4.3 CLINICAL PSYCHOLOGY**

The Department of Clinical Psychology extends psycho-diagnostic and psychotherapeutic services to the cases referred from department of psychiatry, neurology and from various specialty clinics. This also includes child guidance services, counseling in the field of marital discord, early intervention and evaluation for the mentally handicapped children and rehabilitation services to the chronically mentally ill patients.

The department is involved in providing psychological services to the society and takes up research pertaining to identified thrust areas of mental health and neurosciences

#### **4.3.1 Hospital services**

The clinical psychology provides services to patients referred from inpatients and outpatients departments caters to the needs of inpatients and outpatients referred from different 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, psychosexual clinic, neuro

behaviour clinic and epilepsy clinic. A total of 6089 sessions were conducted in the current year (diagnostic – 609, therapeutic – 3799, intervention – 583, IQ Assessment – 1098)

#### **4.3.2 Progress in the setting-up of clinical service unit cum lab**

The department has procured most of the diagnostic tests and therapeutic equipments, which are used in the psychology clinics of the country and are available in India. Procurement of tests published or manufactured by international agencies is in process.

#### **4.3.3 Teaching and training**

- Dr. Tej B. Singh participated in
  - Training programme for general medical practitioners organized at IHBAS under urban mental health project in collaboration with IMA, Delhi branch on 31<sup>st</sup> January, 2004.
  - As guest faculty of PG Diploma in Counseling Psychology conducted by Department of Psychology, Jamia Milia Islamia.
  - Training programme for general medical practitioners organized at IHBAS under urban mental health project in collaboration with IMA, Delhi branch on January 31, 2004.
- Placement of PG students: Department is 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, P.G. Department of :Psychology, Purvanchal University, Jaunpur and Department of applied Psychology Guru Jmabeshwar University, Hissar for their orientation training thorough exposure to the areas like case history taking, clinical interview, psychological assessment and therapeutic interventions.
- Dr. Tej B. Singh visited National Institute of Criminology and Forensic Science , Rohini, Delhi, Under Ministry of Home Affairs to address participants of 64<sup>th</sup> course on the arrangement of antisocial and clinical behaviour on July 30, 2003. Topic of presentation was “Management of patients with suicidal tendencies”. The course was attended by Senior level Judicial Officers and Bureaucrats from all over the country.
- Dr. Tej B. Singh was appointed Inspector by Rehabilitation Council of India to inspect M. Phil Clinical Psychology programme of Ramchandra Medical College, Chennai and visited this institute for inspection and submitted the report on February 24, 2004.

- Dr. UK Sinha participated as
  - A resource person in training of the trainers of HIV/AIDS counseling organized by NACO (National AIDS Control Organization) and Delhi State AIDS Control Society (DSACS).
  - A resource person in National workshop on Behaviour Modification organized by Johns College, Agra.
  - A resource person invited as guest speaker at CBI Academy, Ghaziabad to speak on “Post Retirement Stress and Its Management”.
- Dr. UK Sinha visited Department of Psychiatry and Mental Health, 20M, TUTH, Kathmandu, Nepal as guest faculty for teaching Psychotherapy and Behaviour Therapy to M.Phil, Clinical Psychology and MD, Psychiatry students.
- Mr. Jagdish Sadiza participated as
  - A resource person in programmes of State Council of Education Research and Training (SCERT), Delhi, to deliver lecture on “Learning Disability, Mental Retardation and Inclusive Education” from 12 – 17 January, 2004.
  - A resource person in Continuing Rehabilitation Education (CRE) programme, delivered lecture on ‘Selection of Tools for Assessment and its relevance on March 9, 2004. This programme was organized by Amar Jyoti Research & Rehabilitation Center, Delhi.
- Mr. Gauri Shanker Kaloiya delivered lectures, as guest faculty, on Psychological assessment in counseling for the students of PG Diploma in Counseling Psychology (session 2003-2004) at Jamia Millia Islamia, Delhi.
- Dr. Naveen Grover visited as resource person for “Stress management workshop”, held for police personnel at Police Headquarters Seemapuri, Delhi in 2003

#### **4.3.4 Organization of Academic Events (Conferences/CMEs)**

- Dr. Tej B. Singh organized meeting of core committee experts on Clinical Psychology of Rehabilitation Council of India at IHBAS from October 20-21 2003 to develop short term certification course in Clinical Psychology and to framed guidelines themes course contends, etc. for Master Trainer programme.
- Dr. Naveen Grover organized Psychology Quiz for Post Graduate students at IHBAS in 2003.

#### **4.3.5 Presentations in conferences/seminars/workshop**

- Dr. Tej B. Singh attended the following conferences/seminars/workshop
  - National Workshop of Rehabilitation Scientists Organized by Rehabilitation Council of India( Ministry of Social Justice of Govt. of India) on February 23-24, 2004 and presented a paper “ Psychosocial Rehabilitation of Persons with Chronic Mental Illness in India: Needs and Priorities.
  - National Urban Observatory organized by Ministry of Urban Development and Poverty Alleviation, Govt. of India on July 4, 2003. Objectives of the workshop were to ensure well being a better quality of life of people living in the towns and cities. Inclusion of indicators of mental health was emphasized and strongly recommended by IHBAS like suicide, addictive behaviour, school mental health, anxiety, depression and major mental health problems like schizophrenia, biopolar affective disorder, chronic mental illness and neurological problems (i.e. epilepsy, dementia
  - A resource person in the international CME on child and adolescent mental health organized by department of psychiatry. Institute of Medical Sciences, Banaras Hindu University, November 17, 2003. Topic of presentation – child and adolescent mental health: New emerging priority areas of concern in India.
  - As chairperson of one of the sessions (crisis management) in a ICMR-WHO national workshop on “Disaster management & mental Health” held at IHBAS on 18-20 December, 2003.
- Dr. Tej B. Singh was invited by Indian Association of Clinical Psychologists as a speaker for the symposium on Assessment and Rehabilitation of the Mentally Ill and Disabled: Problems and Challenges “organized by IACP’s National Annual Conference held at Thrissur, Kerala on 30<sup>th</sup> January to 1<sup>st</sup> February 2004”. Paper presented in the symposium - The role of Clinical Psychologists in Disability Management and Rehabilitation.

- Dr. UK Sinha attended the following conferences/seminars/workshop
  - As a resource person in the National Conference on Health Psychology organized by Amity Institute of Behavioural Health and Allied Sciences, Delhi held on November 1, 2003. Topic of his presentation was “Behavioural Risk Factors for Non Communicable diseases and their management”.
  - And presented report on policy issue for disaster management in the National workshop on Disaster and Mental health organized by ICMR and IHBAS, Delhi in December 2003.
- Jagdish Sadiza attended the following conferences/seminars/workshop
  - National Conference of Clinical Psychologists (NACIACP), 2003 and presented a paper on “Premature Ejaculation: A qualitative Analysis” at Thrissur, Kerala from 30 January to 1 February, 2004.
  - National workshop on clinical neruo-psychology held at NIMHANS, Bangalore on 3-5 July, 2003.
- Mr. Gauri Shanker Kaloiya attended the following conferences/ seminars/ workshop
  - National workshop on clinical neruo-psychology held at NIMHANS, Bangalore on July 3-5, 2003.
  - 1<sup>st</sup> International CME on Child & Adolescent Mental Health, organized by department of psychiatry, institute of medical sciences, BHU, Varanasi, from November 12 – 18, 2003.
- Dr. Naveen Grover attended the following conferences/seminars/workshop
  - As a resource person in the National Seminar on management of Alzheimer’s disease and presented a paper on ‘Psychological management of Alzheimer’s disease’ held at Guru Jambheshwar University, Hisar (Haryana) on August 22-23, 2003.
  - National conference on couple and family therapy at NIMHANS, Bangalore, in July 2003.

#### **4.3.6. Publications**

- Singh TB (2004) Psychosocial Rehabilitation of persons with chronic mental illness in India: Needs and Priorities in proceedings of RCI's National Workshop of Rehabilitation Scientists.

### **4.4 NEUROCHEMISTRY**

The department is involved in providing diagnostic laboratory support, teaching, training and research.

#### **4.4.1 Hospital services**

The laboratory is committed to ensure the quality of clinical chemistry services is a vis a vis accuracy precision and prompt reporting. To achieve this, department is involved in implementing internal quality assurance which will be further supported by external quality assurance in future. A total of 44908 tests were done on 6207 patients during this year. Investigations like blood glucose, kidney function tests, liver function tests, lipid profile, uric acid, calcium, chloride, CPK isozymes, electrolytes, CSF biochemistry, thyroid function tests, 24 h urinary protein, creatinine clearance, phosphorus, glycosylated hemoglobin and Gamma GT are carried out regularly. New investigations added are serum magnesium and ammonia.

#### **4.4.2 Research**

- The project entitled "Genetic markers for vulnerability to common neuropsychiatric diseases" is going on in the department funded by ICMR with Dr. Suman as Principal Investigator. Under this project 22 controls and 30 patients samples from subjects dependent on alcohol for than five years, were analyzed for alleles of ADH and ALDH genes. All the alcoholic subjects were found to carry the ADH  $_{2-1/2-2}$  allele and ALDH  $_{2-1/2-1}$  allele. In the case of both these genes these are the alleles which have been reported to have the highest prevalence in alcoholics. Similarly 14 patients diagnosed with probable Alzheimer's disease were analyzed for the APOE alleles. 95% patients were found to carry the APOE<sub>2</sub> allele, which is know to increase an individual's risk for developing Alzheimer's disease. Dr. Kapur is also a team member for two WHO-GOI projects awarded to the psychiatry department

### **4.4.3 Teaching and training**

The department actively participates in the teaching and training programs going on at IHBAS. It provides help to postgraduate and diploma students for their thesis work.. It is also involved in training of students sponsored from various institutes/universities. Dr.Suman Kapur was zonal co-ordinator (East zone) for Intel Science Talent Discovery Programme.

### **4.4.4 Publications**

- Rami A, Volkmann T, Agarwal R, Schnoninger S, Nurenberger F, Saido TC, Winckler J (2003)  $\beta_2$  adrenergic receptor responsiveness of calpain-calpastatin system and attenuation of neuronal death in rat hippocampus after transient global ischemia. Neuroscience Res. 47(4); 373-382.

### **4.4.5 Participation in conferences/ symposia/ workshops/ trainings**

- Dr. Suman Kapur attended the following conferences/ symposia/ workshops/ trainings
  - ACBICON 2004 held at NIMHANS, Bangalore from January 18-21, 2004.
  - 28<sup>th</sup> ANZCIPS-2003 held at Jaipur from 11<sup>th</sup>-12<sup>th</sup> October 2003.
  - International symposium emerging trends in Genomics and protonomics Education and Research, BITS, Pilani, India
  - Annual conference of the society of behavioural medicine 2003 held in Salt Lake city, Utah, USA.

### **4.4.6. Papers presented**

- Suman Kapur, R.A. Singh, S. Sharad, N.G. Desai, ADH2, and ALDH2 genes in alcohol dependent Indian patients, at ACBICON 2004 held at Bangalore from 18<sup>th</sup> to 21<sup>st</sup> January, 2004.
- S. Kapur, Singh RA, Gupta DK, Singh RP and Desai NG, time kinetics for recovery of liver function as reflected by serum GGT levels in chronic alcoholics, at 28 ANZCIPS -2003 held at Jaipur, from 11-12 October,2003.
- S.Kapur frontiers in Neurogenetics: Diagnostics and therapeutics, 2003, education and research, BITS Pilani, India
- Suchday, S., Kapur S and Ewart, C.K. Adolescent health in India and the US, 2003. Annual conference of the society of behavioural medicine, salt lake city, Utah, USA.



## 4.5 MICROBIOLOGY

The department focuses at providing quality diagnostic patient care services coupled with Continuous Quality Improvement in order to meet all diagnostic needs of the institute for a variety of neuropathogens.

### 4.5.1 Hospital Services

A total of 2239 tests were carried out for 1777 patients in the department of Microbiology during the year 2003-2004. The various diagnostic tests consisted of direct demonstration techniques, bacteriological cultures, identification for bacteria and their antimicrobial susceptibility testing in body fluids such as urine, blood, CSF, pus, sputum, transudates and exudates. Culture for *M. tuberculosis* was also performed for diagnosis of CNS, pulmonary and extrapulmonary tuberculosis. The immunological and serological tests consisted of test for rheumatoid factor (RF), antistreptolysin-O (ASO), C-reactive proteins (CRP), Widal test, tests for syphilis (RPR & TPHA), test for *Plasmodium falciparum* antigen detection, and ELISAs for antibodies to *T. solium*, antibodies to HCV, anti dsDNA antibodies and HBsAg detection. Neuropsychiatric patients were also tested for presence of HIV I & II antibodies. Special emphasis was laid at every step of these tests for quality control and quality assurance.

The department had been instrumental in customizing and implementing the biomedical waste management (BWM) at IHBAS. Dr. Rajeev Thakur being the nodal officer for BWM, worked out the modalities for getting authorization, air and water pollution prevention (Act) and effluent analysis for the institute. Special emphasis was also given on training of doctors, nurses and paramedical staff on various aspects of BWM.

The department took part in infection control programme of the hospital by doing periodic environmental sampling of ICU, of equipments/instruments in the ICU and of medical and paramedical personnel in ICU. Simultaneous teaching and training activities were also carried out for prevention and control of hospital-acquired infections.

#### **4.5.2 Teaching and training**

The department actively participated in teaching and training programmes for resident doctors, DNB students, nurses and laboratory staff. Dr. Rajeev Thakur has also been one of the co-supervisors for a DNB thesis entitled “A study of neuropsychiatric manifestations in patients with neurocysticercosis”. In addition the department carried out teaching and training activities in BWM and prevention and control of hospital acquired infections.

#### **4.5.3 Research**

- Diagnostic utility of detection of antibodies to *T.solium* in patients of neurocysticercosis, in collaboration with department of neurology and psychiatry (unfunded).

#### **4.5.4 Participation in conferences\ Workshops\ Training**

- Dr Rajeev Thakur attended the following conferences\ Workshops\ Training
  - “ICMR-WHO workshop on ‘Competence building for writing up research proposals’ at Desert Medicine Research Centre at Jodhpur from March 18-20, 2004.
  - Workshop on ‘Bio Medical Waste Management’ at Lok Nayak Hospital, New Delhi on April 13, 2004.
  - Delhi Chapter of Indian Association of Medical Microbiologists, at LHMC, New Delhi on April 17, 2004.
- Dr Babita Sharma attended the following conferences\ Workshops\ Training
  - CME on ‘Clinical Microbiology and Infectious Diseases’ at Global hospitals, Hyderabad from January 9-12, 2004.
  - Training on ‘Bio medical Waste Management’ at Lok Nayak Hospital, New Delhi on February 11, 2004.

#### **International experience/Honour**

- Dr. Rajeev Thakur was invited as a consultant to work with International Atomic Energy Agency (IAEA), a United Nations Organization. Dr. Thakur worked in a project on Molecular Nuclear Techniques in Communicable

Diseases from May 2003 to November 2003 for a period of six months at Vienna, Austria.

#### **4.5.5 Publication**

- Chaturvedi S, Thakur R (2003) Neuropathology of schizophrenia- a review. Indian J Pathol Microbiol. 46: 165-69.

### **4.6 PATHOLOGY**

The department provides diagnostic support for all patients requiring hematologic, cytologic or body fluid analysis. Basic histopathology services for formalin fixed tissue were also started primarily for muscle and nerve biopsies.

#### **4.6.1 Hospital services**

Investigations conducted in ,the Department include: routine hemogram with ESR peripheral smear examination, reticulocyte count, absolute eosinophil count, blood grouping LE cell phenomenon, bleeding time/ clotting time, prothrombin time, bone marrow aspirate examination, iron binding capacity, hemoglobin F, serum iron, fine needle aspiration cytology, cervicovaginal pap smear, Urine (routine & microscopy), pregnancy test in urine, urine for porphobilinogen. The department has standardized various procedures in histopatholgy, crush smear preparation, microwave processing. A total of 19718 test were conducted in 8564 patients.

#### **4.6.2 Teaching and training**

- Interdepartmental teaching programme was started for Senior Resident and Lab Assistants. Emphasis was given to techniques and practical aspects of laboratory work.
- Mr. Prashant Shende, Lab. Assistant underwent training in histopathology techniques at AIIMS from April 1-30, 2004.
- Ms. Preety Raheja, Lab Assistant participated in the workshop on Cytology of Cervical Intraepithelial Neoplasias with emphasis on problems, mimics and pitfalls at Nargis Dutt memorial Cancer Hospital, Barshi, Mumbai, March 22-26, 2004.

#### **4.6.3 Conference/symposia/workshops**

- Dr. Sujata Chaturvedi attended the following Conference/symposia/workshops
  - 12<sup>th</sup> Asia Pacific Conference of the International Society of Blood Transfusion: Pre conference workshop on Quality Assurance in Hemogram, November 15, 2003, AIIMS, Delhi.
  - A Pre-conference workshop, CME on Genito-Urinary Cytology and 33<sup>rd</sup> Annual Conference of the Indian Academy of Cytologists, November 27-30, 2003, AFMC, Pune. Presented a paper entitled ‘Cytology as an aid in the evaluation of cases of epilepsy’.
- Dr. Vaishali Suri attended the following Conference/symposia/workshops
  - 52<sup>nd</sup> annual conference of NSI held at Chandigarh – 13 December 15, 2003. Presented a paper entitled ‘Differentiation patterns and expression of p53 and Ki67 in CNS PNETs’.
  - 53<sup>rd</sup> teachers training course on Educational Sciences Technology for Teachers of Health Professionals, march 17-26, 2004, MAMC, Delhi.
- Dr. Sujata Chaturvedi, Dr. Vaishali Suri and Dr. Ishita Pant participated in the 19<sup>th</sup> Annual Meeting, Delhi Chapter of Indian Association of Pathologists and Microbiologists, April 17, 2004, Delhi. Dr. Pant presented a poster entitled ‘A cytomorphologic study of palpable breast lesions and its histopathologic correlation’.

#### **4.6.4 Publications**

- Kotru M, Rusia U, Sikka M, Chaturvedi S, Jain AK (2003) Evaluation of serum ferritin in screening for iron deficiency in tuberculosis. *Ann Hematol.* 3; 95-100.
- Chaturvedi S, Radhakrishnan G, Singh RA, Desai NG, Bhatia A, Thakur R (2004) Higher rate of benign cellular changes of uterine cervix in women with chronic mental illness. *Tropical Doctor*; 34: 186-87.
- Chaturvedi S, Thakur R (2003) Neuropathology of schizophrenia - A review. *Indian J Pathol Microbiol*; 46: 165-69.
- Pant I, Chaturvedi S. Gestational and Non-Gestational Trophoblastic Diseases: a review. *Obs & gynae* 2004; 9: 147-161.

- Pant I, Singh PK, Singh SN, Agarwal A, Singh N.B (2003) A cytomorphologic study of palpable breast lesions and its histopathologic correlation. J of cytology; 20: 129-32.
- Pant I, Singh PK, Singh SN, Agarwal A (2003) filariasis Breast: a report of 2 cases, an unusual site to be involved. Journal of Cytology; 20: 206-207.
- Joshi SC, Pant I, Sharma DN (2003) Emerging role of chemotherapy in cervical carcinoma. Obs & Gynae; 8: 628-31.
- Pant I, A Cytomorphologic study of palpable breast lesions and its histopathologic correlatin. 19<sup>th</sup> Annual meeting – Delhi Chapter of Indian association of Pathologists and Microbiologists. Abstract published p.12.
- Chatuevedi S, Bala K, Thakur R. Cytology as an aid in the evaluation of cases of epilepsy. Abstract published, Cytocon 2003, 33<sup>rd</sup> Annual Conference of Indian Academy of Cytologists, AFMC, Pune 27-30 November 2003.

## **4.7 NEUROPSYCHOPHARMACOLOGY**

Neuropsychopharmacology laboratory has state-of-the-art facilities for delivering patient care services as well as advanced research. The equipments available at IHBAS are: High-Pressure Liquid Chromatography with UV and EC detector, automated analyzer, electrolyte analyzer and other basic equipments.

### **4.7.1 Hospital services**

The department provides therapeutic drug monitoring facilities on regular basis for lithium, phenytoin, carbamazepine, valproic acid and phenobarbitone. In addition, estimation of homocysteine in serum has been introduced. Approximately 2463 assays were performed during the year. The department continues its efforts to increase the availability and accessibility to essential drugs in the hospitals. Over the years, the availability of essential drugs has been maintained at more than 90%.

### **4.7.2 Professional Affiliations**

- Dr Sangeeta Sharma was a technical consultant for “Development of standard treatment guidelines” for doctors for Madhya Pradesh, Government of Madhya Pradesh and DANIDA, 2003.

#### **4.7.3 CME/Symposia/Conferences organized/attended**

- Dr Sangeeta Sharma presented paper on
  - ‘Attitude and acceptance towards Standard Treatment Guidelines: Experience of Delhi’ in 2<sup>nd</sup> ICIUM meeting from March 30- April 2, 2004 at Bangkok, Thailand.
  - ‘Right based approach to improve drug use: Experiences of Orissa’ at the XX Global INCLEN meeting held on February 12-14, 2004 at Agra.
  - ‘Botulinum Toxin Type A in Prophylactic Treatment of Migraine’ in the 36<sup>th</sup> Annual Conference of the Indian Pharmacological Society, December 5-7, 2003 at New Delhi.
- Dr Sangeeta Sharma delivered talk on
  - Developing Essential Drugs list and standard treatment guidelines: Indian experience at SEAM international conference organized by MSH and WHO, December 10-12, 2003 at Dar-es-Salaam, Tanzania.
  - Strategies to Promote compliance aimed at Lay persons at 1<sup>st</sup> National Conference organized by Group for awareness on Compliance to Medication, May 10, 2003 at Delhi
  - ‘Initiatives in RDM at India Country Level & in other union states’ in Health talk on Rational Drug Management in West Bengal organized by Indo-German Basic Health Project held on July 28, 2003 at Kolkata.
- Dr. Sangeeta Sharma was a resource person for
  - International Short Course in Promotion of Rational Use of Drugs in Community organized by WHO, APUA and Indian Institute of Health Management & Research, February 23-28, 2004 at Jaipur.
  - Training programme for prescribers on Promotion of Rational Use of Drugs at State Institute of Health & Family Welfare, October 27-30 2003, Bhubaneswar, Orissa
  - Training programme for prescribers on Promotion of Rational Use of Drugs at CMC Ludhiana, December 19, 2003.
  - Workshops on ‘Quantification of drug needs and good store management practices’ organized by Directorate of Health Services and the Delhi Society for Promotion of Rational Use of Drugs, held on February 21, 2004 at GTB Hospital, Delhi and March 13, 2004 at Baba Saheb Ambedkar Hospital, New Delhi.

- Dr Reeta Kh presented paper on
  - ‘Involvement of Serotonergic Mechanisms in the Anticonvulsant Effect of Melatonin’ in the 36<sup>th</sup> Annual Conference of the Indian Pharmacological Society, December 5-7, 2003 at New Delhi.
  - ‘Effect of L-Arginine on Stress-induced Immunomodulation in Experimental Animals’ in the International Symposium on Recent Advances in Pharmacology, January 7-8, 2004 at New Delhi.

#### **4.7.4 Research**

- Prices of medicines in India. World health Organization and Health Action International Project on medicine prices.
- Adherence, attitude to standard treatment guidelines in clinical practice at tertiary care hospitals in Delhi State, INDIA-WHO Essential Drugs Programme.

#### **4.7.5 Special Achievements**

- Dr Sangeeta Sharma is a Member of the Working Group by National Commission on Macroeconomics & Health, Ministry of Health & Family Welfare, Govt. of India.
- Dr Sangeeta Sharma is a Member Secretary, Committee for Selection of Essential Drugs, Government of NCT of Delhi.

#### **4.7.6 Publications**

- Use Your Medicines Correctly: A User’s Guide published by Delhi Society for Promotion of Rational Use of Drugs and INDIA-WHO Essential Drugs Programme. Usha Gupta and Sangeeta Sharma (eds), 2003.
- Essential Medicines List for Elderly. Delhi Society for Promotion of Rational Use of Drugs under INDIA-WHO Essential Drugs Programme and HelpAge India, 2003.
- Tools for Rational Prescribing. In: The Delhi Model: To Improve Accessibility to Quality Drugs. Anamaya Publishers 2004.
- Sharma S, Chadda RK, Rishi RK, Gulati RK, Bapna JS (2003) Prescribing pattern and indicators for performance in a psychiatric practice. Int J Psychiatr Clin Prac; 7:231-238.
- Bapna JS, Roy Chaudhury R, Bhoi N, Sharma S, Singh OP (2003) Pharmaceutical use scenario and medicines policy in India. The Pharma Review; 2: 21-28.

- Reeta Kh, Mediratta PK, Mahajan P, Sharma KK (2003) Differential Effect of Cyclooxygenase-2 Preferring Inhibitors on Electrically- and Chemically-Induced Seizures in Mice. *Indian Journal of Experimental Biology*; 47: 471-475.
- Sharma KK, Mediratta PK, Reeta Kh, Mahajan P, Sharma KK (2004) Effect of L- Arginine on Restraint Stress-Induced Modulation of Immune Responses in Rats and Mice. *Pharmacological Research*; 49: 455-460.
- Ray M, Mediratta PK, Reeta Kh, Mahajan P, Sharma KK (2004) Receptor Mechanisms Involved in the Anticonvulsant Effect of Melatonin in Maximal Electroshock Seizures. *Methods and Findings in Experimental and Clinical Pharmacology*; 26: 177-181.



## **5. OTHER CENTER AT IHBAS**

### **5.1 DRUG ABUSE TREATMENT & REHABILITATION CENTER (DATRC)**

The center is functioning on a multidisciplinary model for comprehensive patient care, manpower development, rehabilitation and research. It is identified as a model center for drug abuse treatment and matters related to drug abuse for the state of Delhi.

The center runs OPD clinic twice a week (Wednesday and Friday) and provides specialized services by a multidisciplinary team of psychiatrist, psychological and social worker and research staff. The OPD services of DATRC are supported with a 20-bedded inpatient unit for providing treatment to the patients needing hospitalization. Treatment delivered includes detoxification as well as comprehensive relapse prevention strategies. There is dual diagnosis ward meant for patients with other major psychotic illness along with problems of substance dependence.

#### **DATRC Research Areas**

The center has ongoing research project on

- HIV seropositivity among patients of opioid dependence.
- Awareness about HIV related risk behaviour among the patients of opioid dependence.
- Efficacy of naltrexone and clonidine combination for the detoxification of patient with opioid dependence.

### **5.2 LIBRARY & INFORMATION CENTRE**

Library and Information Centre provides health information, support and documents the data to cater the study needs of the Faculty members, Doctors, Researchers and Students. It is being actively involved in the growth and development of library resources and services during the year. The main objectives of the centre is to acquire, process, organize and disseminate global information in the field of mental health, neuro sciences and other allied subjects. Exchange programme were established with inputting name of Library in the mailing list of different national and international institutions such as NBRC, NIMHANS, NML,

National Institute on Drug Abuse (NIDA), World Health Organization (WHO) etc. to retrieve the update information in the related subject fields.

The following services were made available during the year:

1. INTERNET/Email services
2. Acquisition services
3. Circulation services
4. Reference services
5. Photocopy services
6. Inter Library Loan
7. Press Clipping services

Library has developed an update collection of books, periodicals, annual reports in the field of mental health, neuro and allied sciences. To lay greater stress on latest information and research studies, importance was given more to scientific periodicals. Library subscribed 108 scientific periodicals and procured new documents on different subjects. The documents were technically processed and added in the library holdings for easy access to the users. Renewal subscription of scientific periodicals were made for the year 2004. Photocopies of available literatures were provided to the users for personal use on nominal charges.

Library & Information Centre is equipped with modern information technology and continue to disseminate the information to the users effectively by the use of INTERNET, E-mail and Online access. Current Awareness Services (CAS) were provided to the users by way of inputting in-house documentation services. SDI services were provided to the users through searching of current/ retrospective literature on given specific keywords/ literature from primary, secondary sources of data. Database "BOOK" of library holdings were updated and made available to the users. Networking arrangement with NBRC, New Delhi has been made for resource sharing as well as retrieval of update health literatures in the field of mental health and neuro sciences. Some more computer systems have been installed in the library on LAN for smooth functioning and easy online access to the users

Circulation services were strengthened with inputting some more services. Approx. 209 documents added, 1923 documents circulated, 15480 books/ journals consulted and 8093 users visited the library during the year. Library was also consulted by outside doctors, researchers and students from other hospitals /institutions i.e. from UCMS & GTB Hospital, School of Social Sciences, School of Psychology, Univ. of Delhi, Univ. of Jamia Millia Islamia, New Delhi, Kashi Vidyapeeth University, Varanasi, B.H.U. Varansi and Guru Jambheshwar

University, Hissar during the year. Physical verification of library holdings were also carried out.

Reference services were provided to the faculty members, doctors, researchers and students as well as to other library users as and when required. In addition, information requested by telephone or in person were also provided. The documents on Inter Library Loan were also provided to the users as and when required. In addition to all the conventional services, the Information center also provides modern services i.e. CD ROM, E-Mail and Internet access etc. The website of the Institute has also been developed with new information & communication technologies and the same has been launched on URL [www.ihtas.delhigovt.nic.in](http://www.ihtas.delhigovt.nic.in).

### **5.2.1 Training/ Symposia**

- Sh. S. K. Pandey, Lib. & Doc. Officer, IHBAS has attended two days training programme on “IT policy on health services, GNCT Delhi,” conducted by IT Dept. GNCT Delhi at Delhi Secertatrit, Delhi.
- Sh. S. K. Pandey, Lib. & Doc. Officer, IHBAS has been awarded Ph.D. degree by V.B.S.Purvanchal University Jaunpur (UP) on his thesis “Library professionals: a sociological study of medical libraries located in Delhi”, during the year 2003.

### 5.3 ENGINEERING SECTION

IHBAS has its own Engineering set up for Civil, Electrical and Horticulture services headed by Superintending Engineer. The repair and maintenance of the Hospital building and the Residential quarters are being done by the Engineering Wing of the Institute. Apart from the above, the construction and renovation works are also undertaken by this unit as per the requirements of the Institute. During the year, some of the renovation works (Civil as well as Electrical) carried out are (i) Renovation of Eastern wing of Neurology block (ii) Renovation of Male wards (iii) Renovation of 26 Nos. Type-1 (Old colony) Quarters (iv) Renovation for opening of Open ward (II Wing) (v) Finishing works at various places including OPD and colony area (vi) improvement of drainage system (vii) Maintenance of sewerage system (viii) Renovation for angiography and X-Ray blocks (ix) renovation of faculty rooms (x) ICU for Neurology department etc.

The Lawns of the Institute are developed and maintained by the horticulture unit to give a pleasant and lush green environment to the patient and visitors.

The project work of "Remodeling of Institute" is also being constructed by the Engineering Wing. The ultimate aim of the Institute is to provide facilities for modern 500 bedded specialty hospital with state of art technology in Psychiatry, Neurology & Behavioural Sciences, facilities for conducting research in the field of Psychiatry, Neurology and Behavioural Sciences, facilities for conducting research in the field of Psychiatry, Neurology and Neurosurgery and a Post Graduate Training Centre. The funds for remodeling is being made available by Central Government and Delhi Government on 50-50% sharing basis. It is proposed to carry out the remodeling and development of the institute in a phased manner. Phase-I construction envisages three storied RCC framed blocks of emergency, diagnostic centre, psychiatry, neurology, academic block, library, research laboratories etc. Apart from these, resident doctors' hostel, nurses' hostel, guest house, director's residence and other residential quarters have also been planned. This phased construction of the new structures and as well as renovation of some existing structures is being and their functional utility and at the same time to meet the aesthetic and functional design of the institute. The work is going on in full swing and all institutional buildings and Nurses Hostel is likely to be completed by February 2005 and remaining building by July 2005.

## **6. GENERAL INFORMATION**

### **6.1 PRESENT STAFF AT IHBAS (AS ON 31.3.2004)**

<b>S. No.</b>	<b>Name of the Post</b>	<b>No. of posts</b>
1.	Director	01
2.	Emeritus Professor	02
3.	Professor & Medical Superintendent	01
4.	Professor	01
5.	Additional Professor	02
6.	Associate Professor	05
7.	Assistant Professor	09
8.	Superintendent Engineer	01
9.	Executive Engineer (Civil)	01
10.	Joint Director (Admn)	01
11.	Administrative Officer	01
12.	Library & documentation Officer	01
13.	Psychiatric Social Worker	05
14.	Clinical Psychologist	04
15.	Senior Residents	28
16.	Junior Residents	32
17.	Accounts Officer	02
18.	Sr. Private Secretary	01
19.	Assistant Administrative Officer	03
20.	Drawing & Disbursing Officer	01
21.	Assistant Accounts Officer	01
22.	Assistant Engineer (Electrical)	02

23.	Assistant Engineer (Civil)	01
24.	Senior Physiotherapist	01
25.	Assistant Nursing Superintendent	01
26.	Junior Engineer	03
27.	Assistants	15
28.	Nursing Sisters	08
29.	Physiotherapist	01
30.	Staff Nurses	80
31.	Library Assistant	02
32.	Artist	01
33.	Senior Stenographer	03*
34.	Junior Medical Record Officer/Medical Record Officer (MRO)	01*
35.	Data Entry Operator	04
36.	Sr. Pharmacist	01
37.	Pharmacist	04
38.	Junior Stenographer	01
39.	Laboratory Assistants	14
40.	Projectionist	01
41.	Lower Division Clerk	04
42.	Drivers	06+1*
43.	Cooks	10
	<b>TOTAL</b>	<b>268</b>

Note:

- The number shown against each post includes regular, ad-hoc\*, short-term contract including those who are on deputation.
- The name of the post has not been shown in which present strength is Nil.

## **EXISTING FACULTY**

### **EXISTING FACULTY**

#### **Director**

Dr. Meena Gupta

#### **Emeritus Professor**

Prof. S.D. Sharma (Psychiatry)

Prof. M Gourie-Devi (Neurology)

#### **Prof. & Head, Deptt. of Psychiatry and Medical Superintendent**

Prof. N.G. Desai (Psychiatry)

#### **Professors**

Dr. R.K. Chadda (Psychiatry)

#### **Additional Professors**

Dr. Tej Bahadur Singh, (Clinical Psychology)

Dr. Somnath Sengupta (Psychiatry)

#### **Associate Professors**

Dr. Suman Kapur (Neurochemistry)

Dr. Sujata Chaturvedi (Pathology)

Dr. RA Singh (Psychiatry)

Dr. Dhanesh Kumar Gupta (Psychiatry)

Dr. Uday Kumar Sinha (Clinical Psychology)

Dr. Kiran Bala (Neurology)

#### **Assistant Professor**

Dr. Sangeeta Sharma (Neuropsychopharmacology)

Dr. Rajeev Thakur (Microbiology)

Dr. Rachna Agarwal (Neurochemistry)

Dr. Vaishali Suri (Pathology)

Dr. Reeta KH (Neuropsychopharmacology)

Dr. Suman Kushwaha (Neurology)

Dr. Praveen Sharma (Psychiatry)

Dr. Ramesh Chandra (Psychiatry)

Dr. Deepak Kumar (Psychiatry)

## **6.2 VARIOUS COMMITTEES AND APEX BODIES OF IHBAS**

### **6.2.1 GENERAL BODY**

#### **President**

Minister of Health, Govt. of NCT of Delhi.

#### **Vice Presidents**

Chief Secretary, Govt. of NCT of Delhi.

Additional Secretary, Ministry of Health & Family Welfare, Govt. of India.

Vice Chancellor, Delhi University, Delhi.

#### **Members**

Principal Secretary (Finance), Govt. of NCT of Delhi.

Principal Secretary (Health & Family Welfare), Govt. of NCT of Delhi.

Principal, University College of Medical Sciences, Shahdara, Delhi.

Medical Superintendent, GTB Hospital, Shahdara, Delhi.

Joint Secretary, Department of Education, Ministry of Human Resource Development, Govt. of India.

Joint Secretary, Department of Social Welfare, Ministry of Welfare, Govt. of India.

Advisor, Department of Bio-Technology, Govt. of India.

Joint Advisor (NSTMIS), Dept. of Science & Technology, New Delhi.

Chief Senior Deputy Director, NCD, ICMR, New Delhi.

Advisor (Health), Planning Commission, Govt of India

Prof. Ranjit Roy Chaudhury, Emeritus scientist, National Institute of Immunology.

Prof. P.N.Tandon, Prof. Emeritus, Dept. of Neurosurgery, AIIMS, New Delhi.

Dr. Meena Gupta, Prof. & HOD (Neurology), G.B.Pant Hospital, Delhi.

Dr. RK Chadda, Additional Professor (Psychiatry), IHBAS, Delhi.

Dr. P. C. Joshi, Associate Professor, Dept. of Medical Anthropology, IHBAS, Delhi.

#### **Co-opted Members**

Prof. SD Sharma, Emeritus Professor, IHBAS, Delhi.

Prof. PK Dave, Director, AIIMS, New Delhi.

FA & CAO, IHBAS

#### **Member Secretary**

Director, IHBAS



## **6.2.2 EXECUTIVE COUNCIL**

### **Chairperson**

Chief Secretary, Govt. of NCT of Delhi.

### **Members**

Additional Secretary, Ministry of Health & Family Welfare, Govt. of India.

Principal Secretary (Finance) Govt. of NCT of Delhi.

Principal Secretary (Health & Family Welfare) Govt. of NCT of Delhi.

JS & FA, Ministry of Health & Family Welfare, Govt. of India.

Principal, University College of Medical Sciences, Delhi.

Medical Superintendent, GTB Hospital, Delhi.

Medical Superintendent, IHBAS, Delhi.

FA & CAO, IHBAS, Delhi.

Joint Director (Admn), IHBAS, Delhi

Dr. Somnath Sengupta, Addl. Prof. Psychiatry, IHBAS

Dr. Madhuri Bihari, Prof. & HOD Neurology, AIIMS

Prof. P.N. Tandon, Professor Emeritus, Dept of Neurosurgery, AIIMS, New Delhi.

Dr. T.B.Singh, Addl. Professor, Dept. of Clinical Psychology, IHBAS, Delhi.

Dr. V.S. Merhta, Prof. & HOD Neuro- Surgery, AIIMS

### **Member Secretary**

Director, IHBAS

## **6.2.3 STANDING FINANCE & BUDGET COMMITTEE**

### **Chairman**

Principal Secretary (Finance), Govt. of NCT of Delhi.

### **Members**

Principal Secretary (Health & Family Welfare), Govt. of NCT of Delhi.

Director, IHBAS. Delhi.

## **6.2.4 BUILDING & WORKS COMMITTEE**

### **Chairman**

Principal Secretary (Health & Family Welfare), Govt. of NCT of Delhi.

### **Members**

Chief Architect, Govt. of NCT of Delhi.

Joint Secretary (Finance), Govt. of NCT of Delhi..

Chief Engineer, Govt. of NCT of Delhi.

Director, IHBAS, Delhi.

Representative (nominated by Director, IHBAS) from faculty of IHBAS.

Medical Superintendent, IHBAS, Delhi.

Superintending Engineer, IHBAS, Delhi

## **6.2.5 ACADEMIC COMMITTEE**

### **Chairman**

Director, IHBAS.

### **Members**

Prof. R.C. Jiloha, Head, Department of Psychiatry, GB Pant Hospital, Delhi – 110 006.

Prof. S.K. Prabhakar, Head, Department of Neurology, PGIMER, Chandigarh

Prof. V Kumariah, Department of Clinical Psychology, NIMHANS, Bangalore – 560 022

Prof. R.R. Singh, Director, Tata Institute of Social Sciences, Sion-Trombay Road, Deonar, Mumbai – 400 088.

Prof. N.G. Desai, Head, Department of Psychiatry & MS, IHBAS, Delhi – 110 095.

Dr. Suman Kapur, Associate Professor, Head, Department of Neurochemistry, IHBAS, Delhi – 110095

Dr. Uday Kumar Sinha, Assistant Professor, Department of Clinical Psychology, IHBAS, Delhi – 110 095

Dr. P.C. Joshi, Assoc. Prof. Med. Anthropology, IHBAS

### **Member Secretary**

Dr. Somnath Sengupta, Additional Professor, Department of Psychiatry & DMS, IHBAS, Delhi – 110 095.

## **6.2.6 COORDINATION COMMITTEE**

### **Chairman**

Principal Secretary (Health & Family Welfare), Govt. of NCT of Delhi.

### **Members**

Director, IHBAS, Delhi.

Principal, University College of Medical Sciences, Delhi.

Medical Superintendent, GTB Hospital, Delhi.

Prof. P.N. Tandon, Prof. Emeritus, Department of Neurosurgery, AIIMS, New Delhi.

## **6.2.7 ETHICAL COMMITTEE**

### **Chairman**

Hon'ble Shri Justice P.K. Jain, Retd. Judge of High Court, C-207, Madhuvan, Delhi – 110 092.

### **Members**

Professor S.D. Sharma, Emeritus Professor, IHBAS, Delhi – 110 0095.

Principal, UCMS, Delhi – 110 095.

Drugs Controller, Government of NCT of Delhi, Delhi Sachivalaya, Player's Building, New Delhi- 110 002.

Head of Department, Neurology, GB Pant Hospital, Delhi – 110 006.

Head of Department, Biochemistry, UCMS, Delhi – 110 095.

Professor S.D. Seth, ICMR, New Delhi

Professor Kusum Saigal, Ex-Principal, LHMC, New Delhi.

Professor R.K. Chadda, Professor, Department of Psychiatry, IHBAS, Delhi – 110 095.

### **Member Secretary**

Professor Meena Gupta, Director, IHBAS, Delhi – 110 095

## **6.2.8 REHABILITATION COMMITTEE**

### **Chairman**

Director, IHBAS

### **Members**

Director, Directorate of Social Welfare, Govt. of NCT of Delhi

Nominee of Chief, Rehabilitation Services, Govt. of NCT of Delhi

Joint Secretary, Ministry of Social Justice and Empowerment (Disability Division),  
GOI

Director, Dte of Health Services, Govt. of NCT Delhi

Dr. R.R. Singh, Director, Tata Institute of Social Sciences, Mumbai

Dr. N.G. Desai, Professor, Head, Deptt of Psychiatry & MS, IHBAS, Delhi

Dr. T.B Singh, Addl. Prof., Head, Deptt of Clinical Psychology, IHBAS, Delhi

Dr. Kiran Bala, Associate Prof., Head, Department of Neurology, IHBAS, Delhi

Nominee of the Chief Secy, Govt. of NCT of Delhi-cum-Chairperson Executive  
Council of IHBAS

### **Member Secretary**

Dr. R.K. Chadda, Professor of Psychiatry, IHBAS

It is proposed that Dr. T.B. Singh, Addl. Prof. Clinical Psychology, who is already a member of the Committee, may be appointed as the Member Secretary of the Rehabilitation Committee in place of Dr. R.K. Chadda who has left the institute. It is also proposed that Dr. R.A. Singh may be nominated as a member.

## **6.2.9 SCIENTIFIC ADVISORY COMMITTEE**

### **Members**

Prof. PN Tandon, Prof. Emeritus, Neurosurgery, AIIMS, New Delhi.

Prof. S.D.Sharma, Emeritus Professor, IHBAS, Delhi.

Prof. J S Neki, Consultant Psychiatrist, Delhi.

Prof. NN Wig, Consultant Psychiatrist, Chandigarh.

Prof. M Gourie-Devi, Director, NIMHANS, Bangalore.

Prof. A K Agarwal, Department of Psychiatry, KGMC, Lucknow.

Prof. R.R. Singh, Director, Tata Institute of Social Sciences, Deonar, Mumbai.

Dr. Manju Mehta, Addl. Professor of Clinical Psychology, AIIMS, New Delhi

Prof. J.S. Bapna

## **6.2.10 BOARD OF VISITORS**

### **Members**

Shri Kamlesh Kumar, Addl. District & Sessions Judge and Member Secretary, Delhi Legal Services Authority, Patiala House Courts, New Delhi.

Professor R.C. Jiloha, Head, Department of Psychiatry, G.B. Pant Hospital, New Delhi.

Professor Anjali Gandhi, Professor of Social Work, Jamia Millia University, New Delhi.

Professor Manju Mehta, Department of Psychiatry, AIIMS, New Delhi – 110 024

HOD, Neurology, G.B. Pant Hospital, New Delhi.

Medical Superintendent, G.T.B. Hospital, Shahdara, Delhi.

Professor Aruna Bhardwaj, Professor of Social Work, Delhi University, Delhi

Shri A.K. Sinha, Distt. Social welfare Officer, Distt. North West-I, Delhi

Ms. Rupa Choudhury, Member, Delhi Legal Services Authority.

Ms. Mukta Gupta, Member, Delhi Legal Services Authority

### **Member Secretary**

Medical Superintendent, IHBAS, Shahdara, Delhi

## **6.2.11 ESTABLISHMENT COMMITTEE**

### **Chairman**

Director, IHBAS

### **Members**

Principal Secretary (Services), Govt. of NCT of Delhi.

Additional Secretary (Health), Govt. of NCT of Delhi.

Additional Secretary (Finance), Govt. of NCT of Delhi.

Medical Superintendent, IHBAS, Delhi.

## 7. AUDITORS REPORT FOR THE FINANCIAL YEAR 2003-2004.

### Balance Sheet as on 31/3/2004

LIABILITIES	AS ON 31/3/2004	AS ON 31/3/2003
	(Amount in Rupees	(Amount in Rupees
<b>Surplus of Income over Expenditure</b>		
Opening Balance	86,335,636.07	23,99,20,323.29
	86,335,636.07	23,99,20,323.29
Less : Development Fund received from the GOI	-	18,00,00,000.00
		5,99,20,323.29
Add : Excess of Income over Expenditure	19,038,629.83	2,64,15,312.78
<b>Total `A'</b>	<b>105,374,265.90</b>	<b>8,63,35,636.07</b>
<b>Earmarked Funds</b>		
Development Fund (Govt of India)	180,000,000.00	18,00,00,000.00
Conference Fund Account	214,982.49	1,68,672.67
Grant in aid from Govt. of NCT of Delhi	60,000,000.00	
<b>Total `B'</b>	<b>240,214,982.49</b>	<b>18,01,68,672.67</b>
<b>Project Funds (to the extent not utilized)</b>		
<b>Service Projects :-</b>		
<b>a) DMHP Ministry of Health &amp; Family Welfare(GOI)</b>	1,100,973.73	2,640,250.75
Opening Balance 2640250.75		
Add : Receipts 4234.98		
Less : Utilized 1543512.00		
<b>b) Mental Health Consequences &amp; Service Need</b>		
<b>Disaster (Fire) in Urban Slum, ICMR</b>	146,549.00	3,46,549.00
Opening Balance 346549.00		
Add: Rcpt 0		
Less : Utilized 200000.00		
<b>c) Training Programme of Street Educators (UNICEF)</b>	73,763.00	73,763.00
<b>d) Mental Health Effected Population of Gujarat</b>	153,049.00	1,53,049.00
<b>e) Rehabilitation Need Assessment of Chronically Mentally ill</b>	271.00	
Opening Balance 0		
Add : Receipts 5271.00		
Less Utilized 5000.00		

<b>f) Task Force Project of Suicidal Behaviour</b>	831,595.00	76,632.00
Opening Balance	76632.00	
Add : Receipt	1075153.00	
Less : Utilized	320190.00	
<b>g) Mental Health .....Digaster RP-13</b>	635,927.00	
Opening Balance	0	
Add : Receipt	647320.00	
Less : Utilized	11393.00	
<b>h) Tobacco Cessation Clinic/STP-4(A)</b>	71,549.00	2,16,552.00
Opening Balance	216552.00	
Add : Receipt		
Less : Utilized	145003.00	
<b>i) Global School Contest (WHO)</b>	16,430.00	16,430.00
<b>J) HIV ...in primary opiod dependence/STP-07(Shubhangi)</b>	4,710.00	4,710.00
<b>K) PTSD</b>	-	793.00
Opening Balance	793.00	
Add : Receipt	0	
Less : Utilized	793.00	
<b>L) Survey of burden &amp; coping strategies of care givers of patients with severe mental disorder</b>	-	18,765.00
Opening Balance	18765.00	
Add : Receipt	12592.00	
Less : Utilized	31357.00	
<b>M) Genetic Marker vulnerability to common nerupsychiatric etc</b>	313.00	9,205.00
Opening Balance	9205.00	
Add : Receipt	398200.00	
Less : Utilized	407092.00	
<b>N) Development of Strategies(rp-12)</b>	276,355.00	57,310.00
Opening Balance	57310.00	
Add : Receipt	491015.00	
Less : Utilized	271970.00	

<b>O) TCC - 4B</b>	242,097.00	136,837.00
Opening Balance	136837.00	
Add : Receipt	323000.00	
Less : Utilized	217740.00	
<b>P) UMHP</b>	576,723.00	273,241.00
Opening Balance	273241.00	
Add : Receipt	868765.00	
Less : Utilized	565283.00	
<b>Q) RP-14</b>	776,165.00	
Opening Balance	0	
Add : Receipt	945300.00	
Less : Utilized	169135.00	

### Research Projects

<b>a) Research Project INFAR - Gross Receipt</b>	74,755.00	74,755.00
<b>b) Clonazyme in Mania</b>	75,867.00	75,867.00
<b>c) Community Based Project</b>	3,446.00	3,446.00
<b>Total `C'</b>	<b>5,060,537.73</b>	<b>39,08,637.95</b>
<b><u>Other Liabilities</u></b>		
CGHS	460.00	
CGEGIS	846.00	
GPF	10,625.00	
Earnest Money Deposit	8,779,958.00	14,94,187.00
Security Deposit	1,416,116.25	9,95,254.25
CT Scan Charges	6,600.00	27,650.00
Sales Tax		5,682.00
Contributory Provident Fund (Due to Employees)	14,609,679.00	1,18,66,969.00
<b>Total `D'</b>	<b>24,824,284.25</b>	<b>1,43,89,742.25</b>
<b>Grand Total `A'+`B'+`C'+D</b>	<b>375,474,070.37</b>	<b>28,48,02,688.94</b>



**RECEIPTS & PAYMENTS**

RECEIPTS	FOR THE YEAR ENDED	FOR THE YEAR ENDED
	31/3/2004	31/3/2003
	(Amount in Rs.)	(Amount in Rs.)
<b>Opening Balance</b>		
Cash in Hand	75,356.00	1,96,996.00
FCRA A/C with State Bank of India	1,234.02	1,164.78
Saving Bank A/c with SBI	2,75,80,143.34	1,12,92,134.63
Term Deposits with Bank	20,86,44,725.00	21,66,72,205.00
Saving Bank A/c with SBI (CPF)	88,601.91	1,19,039.08
Term Deposits with SBI (CPF)	1,33,30,228.00	97,95,134.00
Conference Fund (Saving A/C)	1,68,672.67	2,15,686.40
Imprest with Employees	16,800.00	34,800.00
<b>Total `A'</b>	<b>249,903,760.94</b>	<b>23,83,27,159.89</b>
Grant-in-Aid received from Govt of Delhi	145,000,000.00	9,00,00,000.00
<b>Gross Receipts for Funded Projects</b>		
RP-12/Deveopment of Strateties for Neuro..	491,015.00	73,000.00
STP-HIV.... (DR.Versha)		40,906.00
Survey of Burden & Copying Strategies...	12,592.00	-
Training Programme of Street Educators		82,873.00
Rehabilitation Need Accessment	5,271.00	-
DMHP	4,234.98	
Task Force Project of Suicidal Behaviour	871,168.00	-
STP-4(A)/Tobacco Cessation Clinic		3,09,600.00
STP-4(B)/ Project TCC	410,854.00	1,24,200.00
PTSD	2,250.00	16,650.00
DSPRUD		2,54,891.00
Genetic Marker	404,635.00	1,66,508.00
UMHP	497,517.00	7,13,150.00
RP-14	945,300.00	
RP-13	647,320.00	
Interest on Term Deposits & Saving A/C	18,010,328.48	1,63,43,665.71
Interest on Term Deposits (CPF)	1,056,123.53	10,46,642.83
Interest on Term Deposit in FCRA A/c	43.80	69.24
Miscellaneous Receipts	3,467,995.00	31,39,579.00
Earnest Money Deposits	7,285,771.00	4,20,794.00
Dismantling Work at IHBAS	737,713.00	-
Security Deposits	2,082,712.62	-
CPF Contributory/TDR Account	2,742,710.00	24,38,048.00
CT Scan Charges	373,200.00	27,650.00
Sales Tax Excess		5,682.00
Conference Fund (Net)	77,829.82	-
<b>Total `B'</b>	<b>185,126,584.23</b>	
<b>Grand Total `A' + `B'</b>	<b>435,030,345.17</b>	<b>35,35,31,068.67</b>

<b>PAYMENTS</b>		
Administrative Services & Office Expenses	20,353,100.00	1,75,04,198.00
Salary & other Benefits to Employees	45,207,966.00	3,90,01,165.00
Utilization/Expenditure against Funded Projects	3,409,421.00	45,39,831.00
Travelling Expenses	351,840.00	3,72,098.00
Material & Supply	10,241,013.00	1,63,90,713.00
Maintenance of Equipments	637,641.00	2,84,495.00
Publication & Periodicals	2,119,093.00	3,19,324.00
Diesel & Petrol	322,853.00	3,49,307.00
Legal & Professional Charges	234,450.00	2,11,713.00
Maintenance of Existing Building	9,727,932.00	56,24,355.00
Renovation & SDLS	1,565,823.00	3,72,468.00
Foreign Service Contribution	922,505.00	8,23,373.00
Repairs of Motor Vehicles	89,244.00	2,97,605.00
Engineering Services	663,330.00	8,02,166.00
Rent & Taxes	348,903.00	6,00,564.00
Furniture	1,841,363.00	1,77,700.00
Equipments	3,220,998.00	1,19,43,023.00
Computers	1,283,185.00	12,00,000.00
Remodelling of IHBAS	61,956,452.00	11,61,100.00
Security Deposit		3,69,169.00
Conference Fund Net	31,520.00	47,013.73
<b>Total `A'</b>	<b>164,528,632.00</b>	<b>10,36,27,307.73</b>
<b>Closing Balance</b>		
Cash in Hand	145,936.00	75,356.00
FCRA A/c with State Bank of India	1,277.82	1,234.02
Saving Bank A/c with SBI	22,776,490.42	2,75,80,143.34
Term Deposits with Banks	230,158,563.00	20,86,44,725.00
Saving Bank A/c with SBI (CPF)	14,878.44	88,601.91
Term Deposit A/c with SBI (CPF)	17,172,785.00	1,33,30,228.00
Conference Fund (Saving A/c)	214,982.49	1,68,672.67
Imprest with Employees	16,800.00	14,800.00
<b>Total `B'</b>	<b>270,501,713.17</b>	<b>24,99,03,760.94</b>
<b>Grand Total `A'+`B'</b>	<b>435,030,345.17</b>	<b>35,35,31,068.67</b>

Notes to Accounts as per Schedule-1 attached  
Auditor's Report

As per our separate report of even date attached

**Sd/-**

**(S.K. Sharma)**  
Accounts Officer

**Sd/-**

**(Dr. Meena Gupta)**  
Director

**Sd/-**

**(R.R. Sharma)**  
Sr. Accounts Officer

**Sd/-**

**(Sanjeev Sharma)**  
FCA

Membership  
No.75392

GROUPING OF INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31/3/2004.

PARTICULARS		AS ON 31/3/2004 Amount (Rs)
<b><u>Miscellaneous Receipts</u></b>		
Medical Scheme (IHBAS)		117,760.00
Patient Realisation Charges (PRC)		2,359,350.00
L.fee (IHBAS)		299,997.00
Misc Receipts(Application, Donation, Training Fee)		671,322.02
Dismantling Work		737,713.00
	<b>Total</b>	<b>4,186,142.02</b>
<b><u>Admn. Service &amp; Office Expenses</u></b>		
Office Expenses (Tel)		772,768.00
Office Expenses (Postal Charges)		50,375.00
Office Expenses (General)		520,590.00
House Keeping		7,649,496.00
Security Services		4,426,253.00
Electricity		5,654,182.00
Bank Commission		2,254.00
Water Charges		621,261.00
Cutting & Shaving		62,304.00
News Paper & Magazines		24,386.00
Refreshment		33,839.00
Advertisement		535,392.00
	<b>Total</b>	<b>20,353,100.00</b>
<b><u>Salary &amp; Other Benefits</u></b>		
Salary		43,582,716.00
Leave Travel Concession		247,668.00
CPF (Employer Share)		866,719.00
Overtime Allowance		49,565.00
Medical Reimbursement		461,651.00
	<b>Total</b>	<b>45,208,319.00</b>
<b><u>Material &amp; Supplies consumed</u></b>		
Dietary Items		
Purchases	19,64,175.00	
Less:- closing stock	34,422.00	1,929,753.00
General Store Items		
Purchases	26,13,518.00	
Less:- closing stock	10,91,191.00	1,522,327.00
Medicines and Drugs		
Purchases	56,63,320.00	
Less:- closing stock	21,99,907.00	3,463,413.00
	<b>Total</b>	<b>6,915,493.00</b>

Sd/-  
(R.R. Shrama)  
Senior Accounts Officer

Sd/-  
(S.K. Sharma)  
Accounts Officer

Sd/-  
(Dr. Meena Gupta)  
Director

Sd/-  
(Sanjeev Sharma)  
FCA  
Membership No.  
75392

Date : March 2004  
Place : Delhi

# INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED ON 31/3/2004

(Amount in Rupees)

	FOR THE YEAR ENDED 31/3/2004	FOR THE YEAR ENDED 31/3/2003
<b>INCOME</b>		
Grant-in-aid received from Govt of Delhi	85,000,000.00	9,00,00,000.00
Interest on Term Deposits & saving A/C	18,010,328.48	1,63,43,665.71
Interest received on Term Deposit (CPF)	1,056,123.53	10,46,642.83
Interest on Savings in FCRA A/C	43.80	69.24
Miscellaneous Receipts	4,186,142.02	31,39,579.00
	<b>108,252,637.83</b>	<b>11,05,29,956.78</b>
<b>EXPENDITURE</b>		
Administrative Services & Office Expenses	20,353,100.00	1,75,04,198.00
Salary & Other Benefits to Employees	45,208,319.00	3,90,01,165.00
Travelling Expenses	351,840.00	3,72,098.00
Material & Supplies consumed	6,915,493.00	1,63,90,713.00
Maintenance of Equipment	637,641.00	2,84,495.00
Publication & Periodicals	2,119,093.00	3,19,324.00
Diesel & Petrol	322,853.00	3,49,307.00
Legal & Professional Charges	234,450.00	2,11,713.00
Maintenance of Existing Building	9,667,049.00	56,24,355.00
Renovation	1,397,088.00	3,72,468.00
Foreign Service Contribution	922,505.00	8,23,373.00
Repairs of Motor Vehicles	89,244.00	2,97,605.00
Engineering Services	496,100.00	8,02,166.00
Loss on condemnation of vehicle	150,330.00	
Rent & Taxes	348,903.00	6,00,564.00
Excess of Income over-expenditure	19,038,629.83	2,64,15,312.78
	<b>108,252,637.83</b>	<b>11,05,29,956.78</b>

Notes to Accounts as per Schedule-I attached

Sd/-  
(R.R. Shrama)  
Senior Accounts Officer

Sd/-  
(S.K. Sharma)  
Accounts Officer

Sd/-  
(Dr. Meena Gupta)  
Director

Sd/-  
(Sanjeev Sharma)  
FCA  
Membership No.  
75392

Date : March 2004  
Place: Delhi