

2. Patient Care and Related Activities

2.1 Out-patients section

As in the previous years, a large number of patients attended the OPD of the Institute during the year under report. The trends in OPD attendance during the last 5 years are given below :

The total number of new patients of who attended the OPD in the year 2005 was 8985 of which 4132 were cases of leprosy and the remaining were patients having other disorders.

Year	Patients attendance
2001	31329
2002	30814
2003	33102
2004	30689
2005	29298

2.2 In-patients section

During the year 2005-06, 583 patients were admitted to the In-patients ward for management of reactions, steroid dependence, ulcer care and surgical correction of deformities.

2.3 Surgical care

The surgical section provides routine ulcer and wound care, corrective surgery and physiotherapy services to the out-patients and in-patients of the institute. 4312 patients were seen in surgical OPD during 2005-06 and of these 181 cases were hospitalised for various surgical problems.

2.3.1 Surgical procedures and related activities

Corrective surgical services include reconstructive surgery for correction of hand and foot deformities, peripheral nerve trunk surgery for pain relief and to facilitate sensory motor recovery in hands and feet, wound and ulcer related procedures and other minor surgical procedures. Besides the above, ulcers and wounds of outpatients are dressed and minor surgical procedures are performed in the dressing room.

The details of the surgical work carried out during the year is given below :

Besides this 9289 ulcer dressings including ulcer related minor surgical procedures were performed on out-patients and in-patients.



Procedures	Numbers
Nerve decompressions	32
Correction of hand deformities	26
Rhinoplasty	01
Drop foot correction	04
Others	18
Ulcer related surgery	543

Many patients were prescribed protective foot wears made of microcellular rubber with suitable modifications and several cases were prescribed fixed ankle braces with PTB from different sources. Needy patients were provided with static (band and gutter splints) and dynamic finger and thumb splints. Modified drop foot orthoses were also provided when ever required.

2.3.2 Physiotherapy section

Physiotherapy section provides services to the patients referred from out-patients clinic as well as in-patients ward. They come to physiotherapy section for

1. Evaluation of neuromuscular and kinesiological functions of the hands and feet during medical and surgical treatment.
2. For splinting and supervised exercises before and after corrective surgery.
3. For therapeutic purposes cases of acute neuritis, arthritis and arthralgia come for appropriate splinting and heat therapy, cases having plantar ulcers for POP cast application and patients having large joint contractures for traction and exercises.

2.4 Radiography unit

514 radiographs were obtained for diagnostic purposes. Of these 144 were chest radiographs, 192 upper and lower extremities, 159 spine, 8 abdomen including KUB region 4 skull and 7 others. In addition 9 fluoroscopy procedures were also carried out.

2.5 Histopathology

96 skin and nerve biopsies from leprosy patients were taken for histopathology during 2005-06. In addition, several research specimens collected earlier were processed.

2.6 Biochemical investigations

A total of 5600 investigations were carried out in the Biochemistry during 2005 - 06. These include blood sugar, blood urea, total serum proteins, A/G ratio, thymol turbidity, SGOT,



During the year number of patients attended in this section are mentioned in the following table.

1. Sensory and motor assessments	
Upper limb	984
Lower limb	418
2. Pre-operative assessments of cases	
Hand deformity cases	15
Foot deformity cases	05
3. Post-operative assessments and follow-ups	
Hand deformity cases	47
Foot deformity cases	14
4. Splinting	
Cylindrical splints	86
Polyvinyl gutter splints	20
Adductor band splints	26
Thumb Spica	10
Slab for Neuritis	03
Splinting for Radial Palsy	01
POP casts for lower limb	08
5. Wax therapy, oil massage and exercises	350
6. Electrotherapy	
Short wave diathermy	07
Muscle / Nerve stimulation	04
7. Supervised and assisted exercise therapy for diseases other than leprosy	03

SGPT, serum cholesterol, bilirubin, DDS in blood/urine, serum creatinine etc. Clinical biochemical investigative services were extended to TB patients examined under Ghatampur field Unit.

2.7 Clinical pathology

6089 specimens were examined during the year. Of these 4401 were skin smears for AFB, 846 hemograms, 606 urine samples and 197 stool samples. 39 sputum samples were also examined.



2.8 Microbiology and Molecular Biology

Microbiology and Molecular Biology laboratory provided various types of diagnostic support which included culture and sensitivity (for pyogenic organisms and mycobacteria), serology for infections like typhoid, *in vitro* viability, PCR diagnostics etc.

2.9 Immunology

Immunology laboratory continued to provide facilities for serology for hepatitis, blood grouping and serology of leprosy.

2.10 Experimental leprosy

Service support provided by this laboratory included viability and sensitivity screening for leprosy by mouse foot pad.

2.11 Central sterilization laboratory

This laboratory continued to provide facilities for cleaning and sterilization of glasswares and sterile vials with and without anticoagulants for the collection of blood samples from the patients.

2.12 Social services

As in the past, the Medico-Social Unit continued to look into the social problems of the patients and makes efforts to solve them. Difficult patients have been given necessary advice about the disease and their family members are also given information about the disease and its outcome. The unit tried to arrange token financial assistance to needy patients from the Patients Benevolent Fund of the Institute and also helped in dispatching the medicines etc. to the patients.

2.13 Patient care services provided in the field

The Institute is involved in survey work in Agra and Ghatampur areas. In Agra district, most of leprosy cases detected in survey were provided anti leprosy MDT treatment whereas some were treated with trial regimen. In Ghatampur, the services provided included diagnostic and treatment support for leprosy, TB and also filariasis.

