

SANJAY GANDHI POSTGRADUATE INSTITUTE OF MEDICAL SCIENCES, LUCKNOW

Syllabus for Postdoctoral Fellowship (PDF) in Pediatric Urology

Course Offered

Fellowship in Pediatric Urology

Introduction to the Department and Course

Sanjay Gandhi Postgraduate Institute of Medical Sciences was established by the Government of Uttar Pradesh as a tertiary healthcare centre to provide state-of-the-art medical services, education, and research opportunities. Nearly 30% of all urological outpatients and inpatients belong to the pediatric age group. Despite the substantial number of patients requiring pediatric urological care, this subspecialty remains largely underdeveloped in India because of inadequate training, limited infrastructure, and a shortage of dedicated specialists.

In India, pediatric urological procedures are performed by general surgeons, adult urologists, pediatric surgeons, and occasionally plastic surgeons. This multidisciplinary approach often lacks the specialized expertise required, as children cannot simply be regarded as small adults. Consequently, outcomes may be suboptimal. In contrast, pediatric urology is a well-recognized subspecialty in the Western world and is practiced by specially trained pediatric urologists.

Our department provides comprehensive pediatric urological services, including neonatal and infant emergency and elective care. We have well-established infrastructure with excellent support from the Departments of Nephrology, Pediatric Gastroenterology, and Pediatric Critical Care. We perform a wide spectrum of reconstructive, endourological, and laparoscopic procedures. The department offers one of the most comprehensive pediatric urology services in the country, including open reconstruction, endourology, and laparoscopy. We were the first centre in India to perform laparoscopic surgery in infancy and currently perform more than 400 pediatric urological procedures annually. The department has also recently introduced neuromodulation for the management of neurogenic bladder, making it one of the pioneering centres in India.

Eligibility Criteria

Candidates must have completed M.Ch./DrNB in Urology or M.Ch. in Pediatric Surgery from a recognized university.

Selection Procedure

An advertisement will be published in a national newspaper every October. Candidates will be shortlisted based on their Curriculum Vitae (CV) and invited for interview and assessment. Final selection will be based on the candidate's CV, suitability, commitment to pursuing the fellowship, and interview performance.

Duration of Training

One year

Recruitment

One candidate will be admitted each year.

Pay

The selected candidate will receive the salary of a Senior Resident from the hospital residency post. One non-M.Ch. residency post may be converted into a Pediatric Urology Fellowship post. The fellow will also be eligible for institutional accommodation as per hospital residency rules.

Syllabus

The syllabus topics remain the same as in the original document (Embryology, Renal Physiology, Morphological and Functional Investigations, Upper and Lower Urinary Tract Disorders, Reconstructive Procedures, Endourology, Laparoscopy, Academic Activities, Recommended Textbooks, Journals, Dissertation, and Assessment).

Academic Course

The fellow will participate in all pediatric urological clinical activities, including outpatient services, inpatient care, ward rounds, and operative procedures. The fellow will also actively participate in seminars, journal clubs, research activities, and scientific publications.

Recommended Textbooks

- Campbell-Walsh Urology.
- Textbook of Pediatric Urology (Belman, King, and Kramer).
- Pediatric Urology by John P. Gearhart and Richard C. Rink.

Recommended Journals

- Journal of Pediatric Urology
- Pediatrics
- Pediatrics International
- The Journal of Urology
- BJU International
- Pediatric Nephrology
- Pediatric Transplantation

Dissertation/Projects/Publications

Within three months of joining, each fellow will be assigned two clinical or basic science projects. These must be completed and submitted at least three months before completion of the fellowship. The dissertation/projects will be evaluated by experts in the relevant field.

Assessment

An internal assessment/examination will be conducted one month before completion of the fellowship. Passing this assessment will be mandatory for the award of the fellowship completion certificate.