

POST DOCTORAL FELLOWSHIP IN PAEDIATRIC ORTHOPAEDICS

Duration of the course : One Year

Objectives

- To develop a systemic approach to interact and examine paediatric patient and develop decision making skills in assessment and management of orthopaedic problems.
- To develop and sharpen skills in interpretation of paediatric musculoskeletal radiology.
- To attain basic knowledge of diagnosing and managing the problems specific to paediatric age group.
- To obtain experience in scientific data collection, analysis interpretation, publication and surgical audit.

Schedule:

- General OPD + paediatric surgery - 2 Months
- Ward & Theatre postings - 2 (3 Days/Week).
- OPD, Follow up, POP techniques & Ultrasound scan for neonatal hips - 2 Months (3 Days/Week).
- Research postings - 2 Months .
- Neonatal orthocare - 1 & 1/2 Months
 - Peripheral postings - 2 & 1/2 Months
(Paediatric spine, paediatric sports, neuro developmental and CP, oncology and rehab postings)

- Monthly 4 duties covering the urgent care, patient calls, and inpatient floor coverage.

Surgical training :

- Performing - Arthrogram and spica application.
 - Fracture reduction and closed pinning of fractures under

supervision.

- Assisting – CTEV Surgery.
 - Surgery for congenital and developmental disorders of hips.
 - Pelvic osteotomies.
 - Deformity correction.
 - CP reconstructive surgeries and Botox injection.
 - Congenital and adolescent scoliosis surgery.
 - Paediatric trauma and reconstruction.
 - Paediatric and adolescent foot reconstructive surgeries.
 - Arthroscopic surgeries in adolescent sports injuries.
 - Paediatric limb length deformity correction
 - External devices assisted deformity correction

Academic Requirements:

- Research work .
 - Planning and designing a study, data collection, analysis and defending the project/ study publishing it.
- Desirable to achieve one Indexed publication(International)
- At least one national publication.
- Oral presentations in national conference . Attending at least two major conferences.
- Regular presentations in Local body orthopaedic/Paediatric ortho meets.
- Maintaining a Log of all Clinical and Surgical work.

Syllabus :

- Growth and Development.
- Gait analysis.
- Imaging a paediatric patient. Ultrasound
- Anatomic disorders.

- Scoliosis, kyphosis and other disorders of spine.
- Congenital deformities of upper limb.
- DDH, Perthes disease, SCFE and other disorders of Hip.
- Congenital dislocation of knees.
- Congenital disorders of ankle and foot.
- Limb length discrepancy – Causes, assessment and planning of treatment.
- Neuromuscular disorders.
 - Cerebral palsy.
 - Disorders of spine.
 - Muscular dystrophies.
- Skeletal dysplasias.
- Metabolic and endocrine bone diseases.
- Limb deficiencies.
- Arthritis .
- Infections of Musculoskeletal system.
- Tumors.
- Orthopaedic related syndromes.
- Paediatric trauma.
- Disorders of adolescent athletes.

Reference Books and Periodicals:

- Tachdjian’s Paediatric orthopaedics.
 - Lovell and Winter’s Paediatrics.
 - Rockwood and Wilkins Fractures in Children.
 - Skeletal trauma in Children, Green and Swiontkowski.
 - Paediatric Orthopaedics: A System of Decision-Making - Benjamin Joseph .
 - Practice of paediatric orthopaedics – Lynn.Staheli
1. Periodicals – Journal of Paediatric Orthopaedics
- A&B.
- Journal of Bone and Joint Surgery - A&B.