

**INDIRA GANDHI INSTITUTE OF CHILD HEALTH
AUTONOMOUS INSTITUTE OF GOVT.OF KARNATAKA
(A Post Graduate Institute of Higher Medical Sciences)**

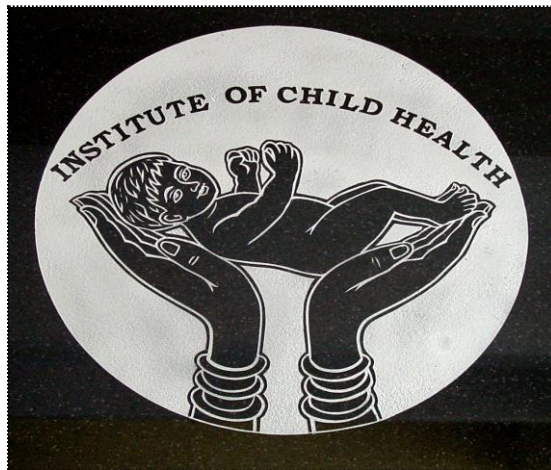
**South Hospital Complex,
Dharmaram College Post, (Near NIMHANS)
Bangalore-560 029.**

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**(AFFILIATED TO RAJIV GANDHI UNIVERSITY OF
HEALTH SCIENCES, KARNATAKA)**



**PROSPECTUS
FOR
FELLOWSHIP IN PAEDIATRIC
ANAESTHESIA**

**INDIRA GANDHI INSTITUTE OF CHILD HEALTH,
South Hospital Complex,
Dharmaram College Post, (Near Nimhans)
Bangalore-560 029.**

**FELLOWSHIP IN – PAEDIATRIC ANAESTHESIA
(Recognized by Rajiv Gandhi University of Health Sciences)**

Objective:

To provide an intense, structured training program for Post MD/DA (Anaesthesia) candidates, so as to enhance the quality of Anaesthetic Management of Pediatric Anaesthesia.

Duration of Course:

18 Months (full time work as per RGUHS guidelines and not permitted to work elsewhere)

Eligibility:

- 1) MD (Anaesthesia), DNB OR its equivalent / DA with Two years experience.

Selection:

- 1) Candidates will be selected from a 4 member panel by interview (Approved by RGUHS)
- 2) If necessary, an entrance test will be conducted.

Fees & Stipend:

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|---------------------|-----------------------|
| Fees for the course | :As per IGICH norms |
| Monthly stipend | :Rs.60000/- Per Month |

*In the event of the candidate leaving the course by discontinuance or otherwise and thus failing to complete the course;

1. The fee paid by the candidate will not be refunded.
2. The stipend drawn by the candidate from the Institute during the period of the Fellowship programme to be paid to the Institute.

Experience

Preference will be given to candidates with 3 years experience.

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COURSE CONTENTS (SYLLABUS)

GOALS:

1. To inculcate human values of empathy care and discipline in paediatric Anaesthesia Practice.
2. To enable the candidate to view the child as a special individual with unique needs and Paediatric Anaesthesia as a Speciality.
3. To train the Candidate to practice safe paediatric anaesthesia based on a sound back Ground, knowledge and skill
4. To empower the candidate with the necessary knowledge and expertise to set up a Paediatric Anaesthesia Practice.

B. STATEMENT OF OBJECTI ES OF THE COURSE:

1. KNOWLEDGE
2. SKILLS AND THE ATTITUDE
3. COMMUNICATION ABILITIES

KNOWLEDGE

- Be a familiar with etiology, Pathophysiology and management of common Neonatal & Paediatric Surgical Problems, both elective & emergency in nature in respect to anesthesia.
- Should have a clear understanding of basic sciences (Anatomy, Physiology, Pharmacology) Paediatric and Neonatal Medicine as applicable to Paediatric Anaesthesia Practice.
- Experience in clinical Research Studies and Published Articles/presented work at scientific meet/conferences.
- Recognize the importance of family society and Socio-cultural environment in the treatment & management of the sick child.

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- **SKILLING AND ATTITUDES:**

- Evaluate a given patient completely including history, clinical examinations, order relevant investigations & interpret them.
- Be able to provide basic & advanced life support services in emergencies.
- Be able to prepare the patient for elective/emergency surgeries in respect to anaesthesia.
- Be able to perform the anaesthetic management for minor and major operative procedures with assistance and independently.
- Be able to monitor the patient in intensive care units.

- **COMMUNICATION ABILITIES:**

- Develop and practice Effective communication skills.
- Professionally interact and obtain relevant specialists consultation where appropriate.
- Display the ability to impart the acquired training to others in a teaching unit and establish a paediatric anaesthesia unit.

C. **COURSE CONTENTS (SYLLABUS)**

ESSENTIAL KNOWLEDGE

- Be familiar with etiology, Pathophysiology and management of common Neonatal & Paediatric surgical problems, both elective and emergency in nature in respect to anaesthesia.
- Should have a clear understanding of basic sciences (Anatomy, Physiology, Pharmacology) Paediatric and Neonatal Medicine as applicable to Paediatric anaesthesia Practice.
- Gained experience in clinical Research Studies and Published Articles/presented work at scientific meet/conferences.
- Recognize the importance of family society and Socio-cultural environment in the treatment & management of the sick child.

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ESSENTIAL INVESTIGATION AND DIAGNOSTIC PROCEDURES

Basic Investigations:

- Blood routine – Hb, Tc, Dc, ESR.,
- Routine Urine examination-Alb, Sugar & Microscopy,
- BT, CT, Platelet Count.
- FBS, PPBS
- Blood Urea/Sr.Creatinine.
- Chest X-ray
- ECG
- Ultrasound/Echocardiogram/CT/MRI

Good knowledge of interpretation of investigations pre op to identify the risk and to take adequate precaution.

PROCEDURES & OPERATIVE SKILLS

I. Trimester

- Candidate should learn differences and approaches in basic Anatomy, Physiology Pharmacology in Children & neonates.

II. Trimester

- Anaesthesia approach for minor elective surgical procedures done routinely.
- Basic & Advanced resuscitation techniques.

III. Trimester

- Inter departmental Postings: For 3 months.
- NICU, PICU.,
- Radiology,
- Cardiac Anaesthesia- Jayadeva Institute of Cardiology
- Neuro Anaesthesia – NIMHANS

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IV Trimester

- Advanced anaesthesia for high risk, emergency & prolonged procedures.
- Anaesthesia for Laparoscopic & thoracoscopic Surgeries.
- Invasive Monitoring.
- Regional blocks/Epidurals for post op pain relief.
- Neonatal Elective/Emergency surgeries.

TEACHING AND LEARNING ACTIVITIES

1. Academic Session
2. Conference, CME & Workshop
3. Research Activity
4. Publication
5. Teaching

PARTICIPATION IN DEPARTMENTAL ACTIVITIES

1. Journal Review Meeting

Each candidate shall present at least 6 journal reviews in one year.

2. Seminars

Each candidate shall present at least 6 seminars/Symposia in one year.

3. Participation in conference/Presentation of Papers

Should attend National & State level meets, present paper.

4. Teaching

The Candidates will assist & be involved in the teaching of UG., Nursing Students

MONITORING OF TEACHING & LEARNING ACTIVITIES

1. **FORMATIVE EVALUATION**

Internal assessment by the teaching faculty of the department

2. **SUMMATIVE EVALUATION**

Assessment by internal & External examiners designated by RGUHS., at the end of the course.

FORMATIVE EVALUATION

- Participation in Academic Programmes
- **LOG BOOK**

A log Book is a comprehensive record of all academic events during one year course.

Academic Activities

Anesthetic Skills achieved

- Should work on a subject for thesis presentation

SCHEME OF EXAMINATIONS:

1. Written: Theory – 2 Papers 3 hours duration

Paper 1 : Basic Sciences

Paper 2: Recent Advances & Journals

2. Clinical Examinations

- Long Case - One
- Short Case - Two

3. VIVA VOCE

- X - Rays
- Anaesthetic Equipments & Machines.

Training includes:

1. Weekly Seminars/Journal club
2. Monthly Lectures by faculty
3. CTS Seminars
4. CTC discussions
5. One publications or two representations at State/National level.
6. Internal assessment every six months
7. Final certifying examinations (clinical & Practical) examiners-National Faculty)

Attendance & Leave

As per University Guidelines

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Faculty:

Staff from Indira Gandhi Institute of Child Health

Copies of certificates to be enclosed with application (Originals at the time of Interview)

1. Photos –2
2. SSLC Marks card.
3. MBBS Degree Certificate and marks cards for all the four years.
4. MD(Anaesthesiology)/DA Certificates / Marks card / Convocation Certificates
5. KMC Registration Certificate(updated qualification)
6. Migration certificate (Other than Karnataka State Candidates)
7. Application of in-service candidates should be routed through proper channel only.
8. Experience Certificate if any.

*** This Fellowship Programme is not recognized by Medical Council of India.**

