

## Proposed Fellowship Programme in Cleft Lip and Palate Surgery in S.D. S. KIMSDU

NAME OF THE PROGRAMME	FELLOWSHIP IN CLEFT LIP AND PALATE SURGERY
<b>ELIGIBILITY</b>	Candidates <ul style="list-style-type: none"> <li>• MDS in Oral and Maxillofacial surgery</li> <li>• MS in ENT or General Surgery.</li> <li>• MS in Plastic Surgery</li> </ul>
<b>INFRASTRUCTURE</b>	<ul style="list-style-type: none"> <li>• 100 Bed hospital</li> <li>• Minimum 2 operating theatres</li> <li>• 10 bed ICU</li> <li>• 5 bed pediatric ICU</li> <li>• Existing Dental College or</li> <li>• Medical college where MCH is available</li> </ul>
<b>FACULTY</b>	Consultants: <b>Maxillofacial Surgeons :</b> Prof. Dr. Neelima Malik Prof. Dr. Mushtaq Parker <b>Plastic Surgeons:</b> Dr. Vanjari Other staff: <b>Orthodontist:</b> Prof. Dr. Renuka Pawar <b>ENT surgeon:</b> Prof. Dr. Abhay Hawale <b>Speech Therapist:</b> Mr. Mubin Sande. <b>Pediatrician:</b> Prof. Dr. V. Y. Kshirsagar <b>Pedodontist:</b> Prof. Dr. Debpriya Pradhan <b>Child Psychologist:</b> Miss. Shailaja <b>Social Worker:</b> Mrs. Vaishali
<b>NUMBER OF CANDIDATES</b>	Maximum of 2 fellows per year.
<b>SYLLABUS AND SCHEME OF EXAMINATION</b>	University registration and examination fee as per rules of university
<b>PROPOSED STRUCTURE</b> <b>FEE</b>	University registration fee Institutional Fee and Material Fee - To be Fixed Examination and Convocation (as per the university format)
<b>DURATION</b>	1 Year
<b>MODE OF SELECTION</b>	Entrance test Conducted by Institution & an interview conducted by the expert panel from the university along with the Director/Prof. and HOD of the Dept.

## Fellowship In Cleft lip and Palate Surgery

### **Goal:**

To establish a comprehensive training program to enable the Maxillofacial surgeon/ Plastic surgeon/ ENT surgeon to gain Proficiency in confidently treating and managing cases of cleft lip and palate in different stage i.e birth to adulthood.

### **Objectives:**

**Knowledge:** The trainee should acquire detailed knowledge pertaining to the cases of Cleft Lip & Palate.

- 1) Etiology, Diagnosis, Prevention, Treatment modalities
- 2) Growth & Development of Craniofacial skeleton
- 3) Understand the Concept of team management approach & Interaction with other faculties like Orthodontics, Pediatric Dentistry/ Speech therapy, ENT, Child Psychology, Pediatrician, Plastic Surgeon and Social Workers.... Etc.

### **Skills and Attitude:**

At the end of this fellowship Programme the trainee should have sufficient knowledge to perform specific surgical procedures and skills and to provide harmonious care in all aspect of Cleft Lip and Palate Surgery from birth till adulthood. Also, the trainee should develop a compassionate attitude towards dealing with both the Cleft children and the parents and relatives.

### **Communication abilities:**

The trainee should be able to develop and maintain a harmonious relation with all interrelated specialities such that principles of good Team management can be established.

### **Course Contents (Syllabus):**

#### **Essential Knowledge:**

- 1) The trainee should acquire detailed knowledge pertaining to the cases of Cleft Lip and Palate, Preventive measures, Diagnosis at different stages.
- 2) Genetics & Pre and Post natal growth and development of craniofacial complex in CLP and other craniofacial deformities.
- 3) Management of complex craniofacial deformities and Cleft lip and palate surgeries.
- 4) Concept of Team management or multidisciplinary team approach with other interacting specialities like Orthodontics, Pedodontics, and Speech therapist, ENT....etc.
- 5) The trainee should be able to provide seamless care in all aspects of cleft lip and palate from birth till adulthood.
- 6) Specific Surgical Skill required are
  - i. Primary cleft lip repair
  - ii. Primary cleft palate repair
  - iii. Secondary alveolar bone grafting
  - iv. Pharyngoplasty
  - v. Secondary lip repair
  - vi. Secondary palate repair
  - vii. Orthognathic Surgery including Le Fort I osteotomy, mandibular osteotomy and any other skeletal surgery as may be required.
  - viii. Distraction osteogenesis
  - ix. Rhinoplasty
  - x. Other surgical skills required in the management of more extensive facial deformities.

## Essential Investigation and diagnostic procedures:

1. Use of Flexible fiberoptic nasoendoscopy to evaluate velopharyngeal function.
2. Evaluation of CT scan angiogram, MRI etc, as required.

## Procedural and operative skills:

(Structured training schedule): A structured programme will be charted out to introduce the trainee to the evaluation and management of Cleft lip and Palate deformities. Each fellow at the end of 1 year should have carried out atleast 50 cases under the supervision of a senior specialist on all aspect of cleft surgery.

## Surgical Procedures:

Procedures	Number
Unilateral Cleft lip	15
Bilateral cleft lip	5
Cleft palate	15
Secondary alveolar Bone Grafting	10
Cleft osteotomies	5
Pharynoplasties	5
Secondary lip repair	5
Secondary palate repair	5
Distraction osteogeneses	3
Cleft rhinoplasty	5
Fibreoptic nasendoscopy	5

The above suggested categories level of training and number are minimal requirements. The students/ teachers are encouraged to advance these further to the best of their abilities and also strive to gain experience in many procedures that are not listed.

## Eligibility criteria for candidates:

The candidates applying for fellowship should have successfully completed either of the following:

1. MDS in Oral and Maxillofacial Surgery in DCI approved college.
2. DNB in Maxillofacial Surgery recognized by the DCI.
3. Passed FDSRCS from the Royal College of Surgeons of ENT England, Glasgow or Edinburgh.
4. Passed FFDRCSI from the Royal College of Surgeons of Ireland.
5. ENT / Plastic Surgeon

## The Staff:

1. The director of the program should be an actively practicing and dedicated maxillofacial surgeon
2. Should have done at least 500 major surgical procedures related to cleft lip and palate surgery.
3. Should have post- graduate degree in maxillofacial surgeon with at least 8 years of continuous exclusive experience in the art of cleft lip and palate surgery after post graduation.
4. Should be a post graduate teacher for an MDS program in Oral and Maxillofacial Surgery.
5. Should have taken part and presented papers in National and International Maxillofacial and Cleft Surgery Conferences.

## Teaching / Learning activities:

The training program includes the following activities:

1. Lectures by faculty not only in maxillofacial surgery but also in related specialities like orthodontics, speech therapy, ENT etc.
2. Every fellow would have to develop and complete at least one research project which could be either clinical or lab based, preferably leading to either a presentation or a publication in a peer reviewed journal.
3. Journal reviewed meetings: One session every two weeks.
4. Seminars: One session every two weeks.

5. Inter departmental meetings: One multi-disciplinary cleft team meeting a week to discuss management protocol for specific cases (core specialists required are maxillofacial surgeon, orthodontist, plastic surgeons and speech therapists. Other specialist who form second tier are Pedodontist, ENT, Dentist, Social worker, Psychologist, Pediatrician, etc.
6. Community work camps/ field visits: To organise camps in various districts to improve awareness amongst the local population about the etiology, prevention and management of cleft deformities.
7. Clinical rounds: Daily two rounds shall be held, at least one of which will be led by the consultant.
8. Any other: Trainees will be encouraged to publish papers in peer reviewed journals.
9. Trainees will be encouraged to participate in teaching activities related to MDS(Oral Maxillofacial Surgery).
10. Encourage the trainee to participate in teaching activities.
11. Attendance of work shop on research methodology
12. Independent research project to be completed under supervision
13. Maintenance of log book format. Quarterly review of performance /Internal Assessments

**University Examination:**

Theory	1 clinical Paper Covering CLP Management	100 Marks
Clinical Examination	2 case presentation with Complete discussion on Diagnosis	100 Marks
Viva Voce	-	50 Marks

**Examiners- Three - One internal**

Two external

Appointed by university..... Continue.

**Monitoring of Teaching / Learning activities:**

Methods:

- 1) Direct consultant to trainee interaction
- 2) Maintenance of log book.
- 3) Formal quarterly review of performance.

**Recommended Books and Journals:**

1. Multidisciplinary management of cleft lip and palate by Bardach and Morris
2. Atlas of cleft and craniofacial surgery by Salyer and Bradach.
3. Plastic surgery by McCarthy.
4. Cleft lip and Palate by Berkowitz.
5. Cleft palate and craniofacial Journal.
6. Plastic reconstructive surgery Journal.
7. Journal of Craniofacial Surgery.