



SHRI  
DHARMASTHALA  
MANJUNATHESHWARA  
UNIVERSITY

Ordinance Governing  
**FELLOWSHIP IN CLEFT LIP & PALATE SURGERY**  
Curriculum 2019-20

**SHRI DHARMASTHALA MANJUNATHESHWARA UNIVERSITY**

(A State Private University established under the Shri Dharmasthala Manjunatheshwara University Act No 19 of 2018 of Government of Karnataka and Notification No. ED 261 URC 2018 dated 19th December 2018)

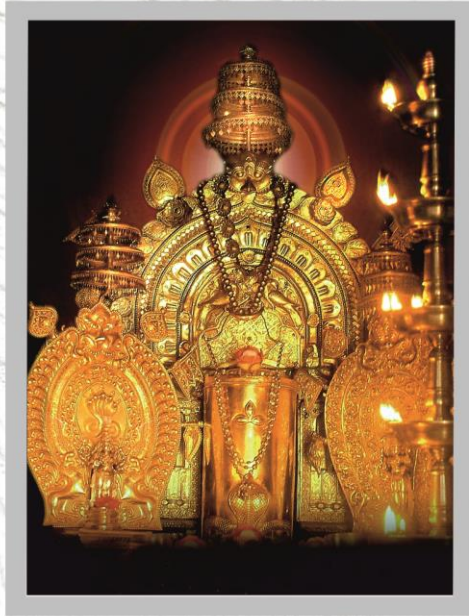
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|| Om Shri Manjunathaya Namaha ||



Shree Kshethra Dharmasthala



**Edition Year : 2019-20**

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## THE LOGO

Poojya Dr D. Veerendra Heggade, Hon'ble Chancellor of the University, while searching for an appropriate Logo for the University, saw a photograph picked from Temple Architecture showing Wings of a Bird, sculpted in Indian style and wanted it to be incorporated in the logo for the University, as the Wings symbolize 'Spreading of Knowledge beyond Boundaries'. Further it was felt that the Central theme of the logo should be 'Rudra' (The Linga) with wings on each side. In this way, the logo of the University was conceptualized.

Hence:

1. The central part represents **Rudra** who Demolishes Darkness.
2. The Three **horizontal lines on The Linga** stand for Samyak Darshan (Right Belief), Samyak Gyan (Right Knowledge) and Samyak Charitra (Right Conduct).
3. The **Wings** symbolize spreading of Knowledge across the boundaries.
4. Base line "**Truth Liberates**" highlights the Purpose of Education: to liberate oneself unconditionally. It shows that it is not discipline, nor knowledge nor the efforts to freedom that liberate but Truth is what liberates you from all your conditioning and ignorance.

The overall significance of Shri Dharmasthala Manjunatheshwara University's Logo is:

**Darkness of ignorance is destroyed by the flow of knowledge to bring Liberty to everyone, by realizing the truth. And, it should spread globally without the boundaries as hindrance.**





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## VISION

Shri Dharmasthala Manjunatheshwara University will set the highest standards of teaching and learning by awakening the intelligence of the students and nurturing the creativity hidden in them by creating an environment where the ancient wisdom blends with modern science, to transform them into whole human beings to face the challenges.

## MISSION

- ▶ To ensure that the journey of education is inspiring, pleasant and enjoyable.
- ▶ Attract the best of teachers and students.
- ▶ Achieve high principles of trust, love and spirituality in the students.
- ▶ Create a collaborative, diverse and exclusive community.
- ▶ Transform the student of today to be a leader of tomorrow and a better human being.
- ▶ Produce passionate teachers.
- ▶ Evolve innovative teaching techniques.
- ▶ Create a peaceful environment.
- ▶ Prepare the student to face the social challenges.
- ▶ Create a University of which the Nation is proud of.
- ▶ Be an effective partner in Nation Building.
- ▶ Create an Eco-friendly University.
- ▶ Create a University based on the principles of beauty, love and justice.

||Om Shanti! Om Shanti! Om Shanti||



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Ref: SDMU/Notif/14/2019

Date: 24/04/2019

### NOTIFICATION

#### **Starting of New Programs from the Academic Year 2019-20**

- Ref: (1) Minutes of the 1<sup>st</sup> Meeting of Academic Council held on 20/03/2019  
(Letter No: SDMU/AC/M-01/93/2019; Dated 21/03/2019)  
(2) Minutes of the 2<sup>nd</sup> Meeting of Board of Management held on 22/03/2019  
(Letter No: SDMU/BoM/M-02/94/2019; Dated 23/03/2019)

In exercise of the powers conferred under Statutes 1.1 (Powers - Section xii), 1.2 (Powers and Functions - Section vii), 1.4 (Powers and Functions - Sections ix & x) of Shri Dharmasthala Manjunatheshwara University, the BoM is pleased to approve and notify the below listed Programs / Courses for the year 2019-20.

Sl. No.	Program	Intake
<b>FELLOWSHIP PROGRAMS IN MEDICAL FACULTY</b>		
1	Fellowship in Neonatal Intensive Care	02
2	Fellowship in Nephrology / Renal Dialysis	02
3	Fellowship in Gynaec. Endoscopy	02
4	Fellowship in Reproductive Medicine	02
5	Fellowship in Consultation Liaison Psychiatry	02
6	Fellowship in Rhinology	02
<b>CERTIFICATE COURSES IN MEDICAL FACULTY</b>		
1	Certificate Course in Blood Bank Technician	04
2	Certificate Course in Histo-Technician	04
3	Certificate Course in Renal Dialysis	04
4	Advanced Certificate Course in Medical Microbiology Laboratory Technology	02
<b>GOVERNMENT SPONSORED PROGRAM (BISEP)</b>		
1	PG Diploma in Cellular & Molecular Diagnostics	20
<b>FELLOWSHIP PROGRAMS IN DENTAL FACULTY</b>		
1	Fellowship in Cleft Lip & Palate (Oral Surgery)	02
2	Fellowship in Forensic Odontology	08
3	Fellowship in Oral Implantology	02
<b>Ph.D COURSES UNDER VARIOUS FACULTIES</b>		
1	Ph.D. Course in Medical Faculty	12
2	Ph.D. Course in Dental Faculty	18
3	Ph.D. Course in Physiotherapy	03

The Ordinance shall be effective for the students joining the courses / programs during 2019-20 onwards.



  
**REGISTRAR**  
**REGISTRAR,**  
Shri Dharmasthala Manjunatheshwara  
University, Dharwad

Copy for information to:

- (1) Hon'ble Vice Chancellor, Shri Dharmasthala Manjunatheshwara University  
(2) Controller of Examinations, Shri Dharmasthala Manjunatheshwara University

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1. **a. Goals:**

To establish a comprehensive training program for plastic & maxillofacial surgeons in the management of Cleft Lip & Palate care.

2. **b. Objectives:**

- **Knowledge:**

The trainee should acquire detailed knowledge pertaining to the cases of Cleft Lip & Palate, preventive measure if any, diagnosis and appropriate investigation to support the diagnosis at different stages in the development and growth of the child with cleft lip & palate anomaly or other developmental craniofacial deformity. Complete knowledge of all aspects of the management of this complex deformity including the concept of team management with interaction between other associated specialties like orthodontics, pediatric dentistry, speech therapy, ENT, etc.

- **Skills & Attitudes:**

The trainee should, at the end of one year, be able to provide seamless care in all aspects of cleft lip & palate surgery from birth till adulthood. The specific surgical skills required are:-

1. Primary cleft lip repair.
2. Primary cleft palate repair.
3. Secondary alveolar bone grafting.
4. Pharyngoplasty.
5. Secondary lip repair.
6. Secondary palate repair.
7. Orthognathic surgery including Le Fort I osteotomy, mandibular osteotomy and any other skeletal surgery as may be required.
8. Distraction osteogenesis
9. Nasal correction related to cleft lip and palate.
10. Flexible fiberoptic nasobronchoscopy to evaluate velopharyngeal function
11. Other surgical skills required in the management of more extensive facial deformities.

The trainee should develop a compassionate attitude towards dealing with both the cleft children and the parents and relatives.



- **Communication abilities:**

He should create a team to manage the cleft deformities. It is essential to develop skills required to maintain a harmonious working relationship with all the specialists involved such that the principles of good team management can be established.

**c. Course contents (syllabus):**

- **Essential Knowledge:**

The trainee should acquire detailed knowledge pertaining to the cases of cleft lip & palate anomaly or other developmental craniofacial deformity. Complete knowledge of all aspects of the management of this complex deformity including the concept of team management with interaction between associate specialties like orthodontics pediatric dentistry, speech therapy, ENT, etc.

- **Essential investigation and diagnostic procedures:**

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

- **Procedural and operative skills:**

Graded responsibility in care of patients and operative work (Structured training schedule): a structured programme will be enforced to introduce the trainee to the evaluation and management of cleft lip & palate deformities.

The recognized cleft center must be performing not less than 200 surgical procedures in the area of cleft lip & palate surgeries per annum in order to be able to provide sufficient training material for the fellowship candidate.

Each fellow at the end of 1 year should have carried out at least 50 cases under the supervision of a senior specialist on all aspects of cleft surgery.

<b>+Key:</b>	O	-	Washed up & observed
	A	-	Assisted a more senior surgeon
	PA	-	Performed procedure under the direct Supervision of a Senior Specialist
	PI	-	Performed independently.

**Surgical procedures:**

<b>Procedures</b>	<b>Category</b>	<b>Number</b>
Unilateral cleft lip	PA	10
Bilateral cleft lip	PA	3
Cleft Palate	PA	10
Secondary Alveolar Bone grafting	PA	5
Cleft osteotomies	PA	3
Pharynoplasties	A	-
Secondary lip repair	A	5
Secondary palate repair	A	5
Distraction Osteogneses	A	3
Cleft Rhinoplasty	A	3
Fibreoptic Nasendoscopy	PA	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 Maxillofacial Surgery in DCI approved program.
2. Mch Plastic surgery in MCA approved program.
3. DNB in Maxillofacial Surgery recognized by the DCI
4. Passed FDSRCS from the Royal College OF Surgeons of England, Glasgow or Edinburgh.

## **Requirements For accreditation of an institution:**

The department of Maxillofacial Surgery should have been in existence in the institution as an independent unit or as a part of the dental college / Medical College.

### **The Staff:**

The director of the program should be an actively practicing and dedicated plastic surgeon or maxillofacial surgeon

- Should have done at least 500 major surgical procedures related to cleft lip & palate surgery
- Should have post – graduate degree in plastic or maxillofacial surgeon with at least 8 years of continuous exclusive experience in the art of cleft lip & palate surgery after post graduation.
- Should be a post graduate teacher for an MDS program in Oral & Maxillofacial Surgery / plastic surgery.
- Should have taken part and presented papers in National and International Maxillofacial & Cleft surgery conferences

### **d. Teaching / Learning activities:**

The training program must include the following didactic activities:

1. Lectures by faculty not only in maxillofacial surgery but also in related specialties 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 publication in a peer reviewed journal.

### **e. Participation in departmental activities:**

- a) **Journal reviewed meetings:** One session every two weeks.
- b) **Seminars :** One session every two weeks
- c) **Clinico pathological conferences:** Not essential.



**d) Inter departmental meetings:**

One multi- disciplinary cleft team meeting a month to discuss management protocols for specific cases (core specialist required are maxillofacial surgeon, orthodontist, plastic surgeons and speech therapists. Other specialists who form second tier are pedodontist, ENT, dentist, social worker, psychologist, pediatrician, etc.

**e) Community work – camps/ field visits:**

It is important to improve awareness amongst the local population about the etiology, prevention and management of cleft deformities. The trainee shall learn to organize camps in various districts surrounding the cleft center. Follow up field visits are also essential.

**f)** Compulsory one paper presentation at national conference and one poster presentation if possible

**g) Clinical rounds:**

Daily two rounds shall be held, at least one of which will be led by the consultant.

**h) Any other:**

Trainees will be encouraged to publish one paper in peer reviewed journals before appearing for exams.

**3. Orientation program:**

Ex: a) Use of library

- b) Laboratory procedures
- c) National programs
- d) Any other: Not essential.

#### 4. **Training and teaching skills and research methodology:**

Trainees will be encouraged to participate in teaching activities related to cleft lip & palate. Fellowship trainees will have to initiate and complete an independent research project under supervision within 10 months.

##### **Monitoring of teaching / learning activities**

a. Methods:

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

b. Frequency

c. Schedules or checklists, log books diary.

##### **University Examination**

There shall be one theory paper of three hours duration carrying 100 marks. Clinical examination would also be for 100 marks and viva voce would be for 50 marks/. A candidate has to score a minimum of 50% for passing the examination.

##### **Scheme of examination:**

- a) Written:  
One clinical paper covering cleft lip & palate management.
- b) Clinical examination:  
2 case presentations with discussion on diagnoses, treatment plan and management.
- c) Viva-voce-1 viva of 1 hour duration can be held to complement the written and clinical examination.

##### **Examiners appointed by the University: 3**

One internals

Two externals

### **Recommended books and journals:**

1. Multidisciplinary management of cleft lip and plate by bardach and Morris.
2. Atlas of cleft and craniofacial surgery by salyer and bradach.
3. Plastic surgery by McCarthy.
4. Cleft lip & palate by Berkowitz.
5. Cleft Palate & Craniofacial Journal.
6. Plastic reconstructive surgery Journal.
7. Journal of Cranio maxillofacial Surgery.
8. Cleft craft by Millard – Vol. I, II, III.
9. Multidisciplinary approach for management of cleft lip- palate
10. Radiographic Cephalometry- From Basic to videoimaging
11. The surgical technique for the Unilateral cleft lip- Nasal deformity
12. Cleft palate and speech: Muriel & Morley

\*\*\*\*\*



## **Weekly schedule of the cleft lip palate fellowship program:**

### **1) 1st week-8 week**

- Orientation schedule clerking, observing
- Diagnosis & treatment planning of patients with primary cleft lip & palate defects under supervision
- 2 seminars on various topics of Cleft lip and palate  
Eg : embryology & Anatomy
- Preparing the patients for operations, getting the work up done, Case history
- To select a study topic / thesis topic

### **2) 9 week-16 week**

- Clinical assistant in the Operation Theater.
- Diagnosis and treatment planning of patients with primary cleft lip and palate independently.
- To start with publication of research paper.
- Two Case presentations.

### **3) 17 week to 24 week**

- Clinical assistant with operating time under supervision like marking, suturing etc
- Theater clerking
- 1Seminar, 1-case presentation & 2 Journal club.
- One paper or poster presentation in conference.

### **4) 25 week -32 week**

- Surgery under supervision for cleft lip & palate Eg: (Incomplete cleft lip & palate, complete cleft lip)
- Assisting ABG, Osteotomies etc
- Observing, diagnosis & treatment planning of patients with secondary cleft & craniofacial defects
- 2 Seminars, 1 Journal club and 1 Case presentation.

### **5) 33 week- 40 week**

- Performing under Supervision / independently for unilateral complete cleft, palate and harvesting of iliac bone graft.
- Presentation of paper in National conference.
- One Seminar, one Journal club and one case presentation.

### **6) 41 week- 48 week**

- Performing secondary cleft defects like lip revision, fistula closure under supervision.
- Assisting / performing under supervision cleft Osteotomies, distraction osteogenesis.
- Submission of Research or thesis topic.
- Theory / practical exams.



SDM College of Medical Sciences & Hospital



SDM College of Dental Sciences & Hospital



SDM College of Physiotherapy &  
SDM Institute of Nursing Sciences



Shri Dharmasthala Manjunatheshwara University



SDM Research Institute for Biomedical Sciences



Panoramic View of Campus