

**OMFS – CO1**  
**Certificate Course in**  
**Surgical Management of Oral Cancer with Reconstructive Methods**

**Introduction and Background**

**OMFS Unit at Faculty of Dental Sciences, University of Peradeniya, Sri Lanka.**

The Dental Hospital (Teaching) in Peradeniya is the sole premier Dental teaching institution in Sri Lanka. The OMF Surgery Unit of this hospital maintained by the Department of OMF Surgery, Faculty of Dental Sciences, University of Peradeniya is being recognized as a centre of excellence by the International Association of OMF Surgeons. From its inception in 1998, this unit was visited by eminent surgeons from the U.K and Japan for conducting training programmes.

The unit serves patients in need of cleft surgery, oral cancer surgery, facial trauma, orthognathic surgery and microvasular surgery. The Consultant staff of the unit consists of six senior OMF surgeons with a strong training experience and research background. Out of these four ( one professor and three senior lecturers) have special interest in surgical treatment of Oral Cancer. The unit comprise of two Operating Theaters with facilities for advanced surgeries including operating microscopes, three beds Intensive Care Unit and a fourty bed ward. The unit has been conducting capacity building training programmes for oral surgeons local and overseas.

**Training programmes in Surgical Treatment Of Oral Cancer**

Surgical Treatment of Oral Cancer includes resection of Primary tumour in the oral cavity, neck dissection and reconstruction of tissue defects with pedicled and free flaps. During the recent past much effort has been focused on decreasing morbidity from surgery, preservation of tissue and improving functional outcomes. An adequate knowledge and skill on the flap techniques will be essential for the practicing surgeons in this field.

In Sri Lanka, the post Graduate Institute of medicine (PGIM), University of Colombo, conducts a MD course in Oral & Maxillofacial Surgery leading to Board certification as a consultant. This four year course is aimed for local trainees who get maximum exposure at training centers which include the Faculty of Dental Sciences. The Ministry of Health release these trainees for 4-5 years for the local and foreign components of the training programme. Almost all newly passed out consultant surgeons through this programme gain adequate knowledge and skill on surgical management of oral cancer. Therefore Ministry of Health may not allow these surgeons additional long term leave to follow certificate courses.

On the other hand there is growing demand from the neighboring countries on refreshing course oriented for clinicians in this field especially in the surgical treatment of oral cancer.

As an internationally recognized centre for training with adequate infrastructure and teaching staff the Department of Oral & Maxillofacial Surgery intends to offer this certificate course which will be more appropriate for foreign counterparts.

### **Target group and required qualifications**

This course is intended for practicing surgeons to improve their knowledge in the surgical management of oral cancer including hands on skill on pedicled and free flaps. Practicing Surgeons and Postgraduate Trainees in fields of Oral & Maxillofacial Surgery, General Surgery, Plastic Surgery and Oto-rhino – laryngology would benefit from this course.

**Required Qualifications:** Practicing Surgeon or Post Graduate Trainee with:

1. Basic Degree (BDS/MBBS) **and**
2. Postgraduate Qualification (Masters/Fellowship in a Surgical discipline) **and**
3. Evidence of practicing surgical treatment of oral cancer at basic level alone or under supervision (for PG trainees).

**Duration** - 9 months

### **Training Centre**

Department of Oral & Maxillofacial Surgery, Faculty of Dental Sciences

### **Course aim**

To provide practicing clinicians with hands on training on management of oral cancer including diagnosis, surgical treatment planning, excision of the primary tumour and neck dissection, reconstruction with pedicled and microvascular free flaps and peri-operative patient management.

<b><i>Format of the Course</i></b>					
Course code: OMFS – 01					
Course Title: <b>Certificate course in Surgical Management of Oral Cancer with Reconstructive methods</b> No of Credits : 15					
Prerequisites / Eligibility: BDS /MBBS and Masters/Fellowship in a Surgical discipline practicing Surgeons or postgraduate Trainees ( Oral & Maxillofacial / General/plastic/ENT Surgery)					
<i>Core/optional: Core-Course</i>					
Aims & Objectives and Intended Learning Objectives: At the end of the course the trainee should be able to : Describe the rationale for diagnosis of oral cancer Determine the surgical treatment plan for a patient with an oral cancer Perform neck dissection and resection of the primary Oral Cancer lesion Reconstruct tissue defects with pedicled flaps where applicable ( Pectoralis major Myocutaneous-PMMC and myofascial-PMMF ) Describe principles of Reconstruction of tissue defects with freeflaps ( Radial Forearm Free Flaps-(RFF ), Fibula Free Flap-FFF Recognize and manage post operative complications Describe the principles of perioperative care of an oral cancer patient					
Time Allocation : 09 months Lectures (17), Discussions (18), Practicals (215), Clinical work (165)					
<i>Course Content/Syllabus</i>		<i>Time Allocated</i>			
		<i>(Hours)</i>			
<b>OMFS CO1</b>	<b>Title</b>	<b>L·</b>	<b>D</b>	<b>P·</b>	<b>C</b>
1	Principles of assessment of a patient awaiting surgical treatment of oral cancer	1·	2·	5·	5·
2	Related applied anatomy-(cadaver demonstration) Oral cavity & pharynx, Neck & Pedicled flaps	2·	2·	30·	·
3	Principles of treatment planning in relation to excision of Local lesion	2·	2·	·	10·
4	Neck dissection methods	2·	2·	30·	10·
5	Classification pedicel flaps	2·	2·	·	10·
6	PMMC & PMMF	2·	2·	30·	30·
7	Classification of Microvascular Free flaps	1·	1·	·	10·
8	Radial Forearm Free Flap	1·	1·	30·	30·
9	Fibula Free Flaps	1·	1·	30·	30·
10	Physiology of flap survival including flap monitoring	1·	1·	·	10·
11	Management of post operative				

	complications including nutrition	1·	1·	30·	10·
12	Team approach in Cancer Management	1·	1·	30·	10·
<i>Total : 35+ (380*0.5)=225 hrs= 15 Credits</i>		<i>17</i>	<i>18</i>	<i>215</i>	<i>165</i>
		<i>35</i>		<i>380</i>	

Notations used: L-Lectures, D-Discussions, P-Practical, C-Clinical

□ **Sample Time Table :**

	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
Am	Operation	Clinic	Clinic/OT	Clinic/OT	Clinic/OT
Pm	Theater				

Training Programme consist of Lectures, discussions, practical and clinical sessions. Anatomy sessions include cadaver dissections. Operation theatre sessions include hands-on training under a consultant. Microsurgery sessions include practice on models and assisting in flap harvesting and anastomosis. In addition several seminars conference and joint multidisciplinary could be attended by trainees.

□ **Assessment Scheme :**

<b>Assessment</b>	<b>Percentage Mark/Range</b>	
Continuous Assessment		50
Assessments	30	
Tutorials	20	
End of course Evaluation		50

- **Course Fee ( cost of tuition fees for 9 month duration programme): Foreign trainees: US S 15,000/-** Logistics for foreign trainees:  
Foreign trainees may need to obtain provisional registration at the Sri Lanka Medical Council. Accommodation could be arranged at a reasonable rate in a hotel/guest house close to Peradeniya/Kandy city.

- **Foreign Trainee Nominated by the Department of Oral Surgery for 2015-08 :**

**Name:**

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**Qualification:**

Bachelor of Dental Surgery (Ayub Medical College, 2003-7)

**Present Occupation:**

Assistant Professor OMFS, Maragalla Institute of Health Sciences.  
 Consultant Maxillofacial Surgeon, Maragalla Institute of Health Sciences.

**Mode of Nomination from Country of Origin:**  
Self

□ **Expected Commencement date:**

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**Teaching Panel (Academic staff of Faculty of Dental Sciences)**

**Programme Coordinator:**

Prof.A.M. Attygala BDS, MS (Col), FDRCS(Eng)  
Professor & Consultant Oral & Maxillofacial Surgeon  
Department of Oral & maxillofacial Surgery  
Faculty of Dental Sciences, University of Peradeniya, Sri Lanka  
Contact: [manjuatty@yahoo.com](mailto:manjuatty@yahoo.com) mobile 0777 282993

**OMF Surgery: Dept of Oral & Maxillofacial Surgery**

Prof.A.M. Attygala BDS, MS (Col), FDRCS (Eng)  
Professor & Consultant Oral & Maxillofacial Surgeon

**Anesthesiology: Division of Anaesthesiology**

1. Dr.Ms. H.S. Ranasinghe MBBS, LRCP & MRCS, MD, FFARCS  
Consultant Anaesthetist & Senior Lecturer in Anaesthesiology
2. Prof. P.S.K.Nanayakkara MBBS, MD  
Consultant Anaesthetist & Professor in Anaesthesiology

**Anatomy: Dept. of Basic Sciences**

1. Prof. B.M.H.S.K. Bannaheka BDS, PhD  
Professor in Anatomy
2. Prof. R. D. Pieris  
Professor in Anatomy