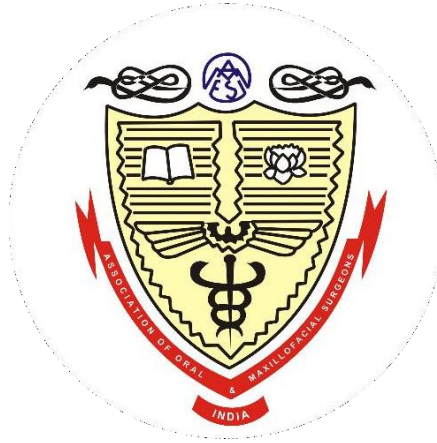


BASICS

*Basics of Anesthesia, Surgery &
Intensive care in Clinical Scenario*



2023-24

“BASICS” is a training aimed at Providing comprehensive clinical skill orientation to all working Dental Surgeons.

The aim is to train them in “Basics” life saving skills, essential clinical procedures and to give awareness on important, emergency life saving drugs.

Venue: SIMULATION LAB, SMART LAB, GSL MEDICAL COLLEGE, Rajahmundry, AP state.

**Day 1
(SMART LAB)**

TIME	LECTURES
08.00 - 09.00am	Scrubbing, Gowning, Draping, Preparation & Theatre Etiquette Introduction and Demonstration
9.00 - 10.00 am	Airway Introduction, Anatomical Considerations, Demonstration
10.00 - 11.00 am	Tracheostomy and management considerations

**Day 2
(SMART LAB)**

TIME	LECTURES
08.00 - 09.00 am	Circulation, circulatory pathways & vascular access. Introduction, anatomical considerations and demonstration.
09.00 - 10.00 am	Suturing and Knotting-1 (Hand knots, Instrument knots, Simple Interrupted Sutures Simple Continuous Sutures)
10.30-12.00 am	Suturing and Knotting-2 (Continuous Locked Sutures, Horizontal Mattress Sutures, Vertical Mattress sutures, Subcutaneous Sutures)

**Day 1
(SMART LAB)**

TIME	HANDS ON
11.00 am-01.00 pm	OT Etiquette
2.00 pm -3.30 pm	Artificial Ventilation (Basic concepts, Oxygen cylinders, Oro-pharyngeal airway, Needle insufflation, Jet insufflation, Pocket mask, AMBU)
3.30pm.5.00pm	Tracheostomy (Including nebulization, Laryngeal mask airway and Sub- mental intubation)

**Day 2
(SMART LAB)**

TIME	HANDS ON
12.00 - 01.00 pm	Circulation, circulatory pathways & vascular access. Introduction, anatomical considerations and demonstration.
02.00 - 3.30 pm	Suturing and Knotting-1 (Hand knots, Instrument knots, Simple Interrupted Sutures Simple Continuous Sutures)
03.30 - 05.00pm	Suturing and Knotting-2 (Continuous Locked Sutures, Horizontal Mattress Sutures, Vertical Mattress sutures, Subcutaneous Sutures)
05.00 - 05.30pm	EXAM

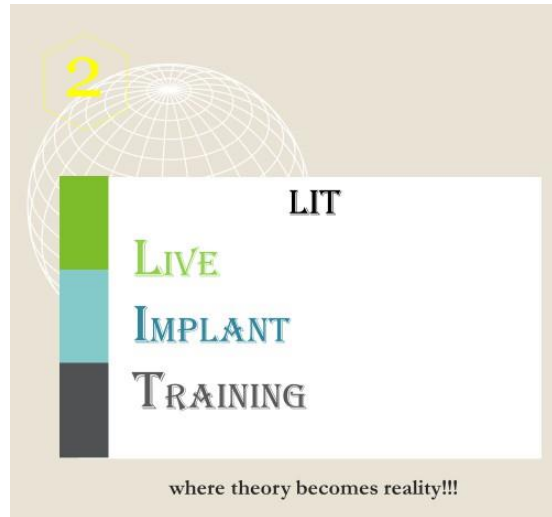
Why Us?

TEACHER TO
STUDENT RATIO 1:1

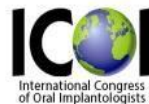


WHY US???

- ✓ Individual Styrofoam jaws provided to each participant for hands on programme in order to gain precision, control and perfection.



- ✓ GSL Dental College and Hospital proudly announces Implantology Fellowship Program in association with ICOI
- ✓ The only college with a recognized center in AP and Telangana that is in memorandum of understanding (MOU) with International Congress of Oral Implantology (ICOI)



GSL Dental College & Hospital

GSL Dental College & Hospital

ICOI
International Congress of Oral Implantologists

SMART LAB
Simulation Modules for Advanced Research and Training Laboratory

DEPARTMENT OF PERIODONTICS & IMPLANTOLOGY
GSL Dental College

GSL Dental College & Hospital

COURSES AVAILABLE

- 05 Implant Programme
- 10 Implant Programme
- 10 Implant Advanced Course *

*ADVANCED COURSE INCLUDES

- ✓ BONE GRAFTING
- ✓ PLATELET RICH FIBRIN (PRF)
- ✓ RIDGE SPLIT
- ✓ OSSEODENSIFICATION
- ✓ SINUS LIFT
- ✓ GUIDED BONE REGENERATION (GBR)



1st MODULE: INTRODUCTION & LECTURES

❖ DAY 1: (4Hrs)

- Scope of Oral Implantology
- Armamentarium
- Basic bone anatomy
- Systemic conditions in Implantology

❖ DAY 2: (4Hrs)

- Soft tissue biotypes
- Diagnosis and treatment planning
- Types of Implants & Implant selection
- Drilling protocol

2nd MODULE: PRE-SURGICAL PHASE (8Hrs)

- CBCT evaluation
- Hands-on on Styrofoam jaws

3rd MODULE: PATIENT SELECTION & EVALUATION (8Hrs)

- Selection of patient
- Diagnostic impressions
- CBCT
- Sterilization protocols

4th MODULE: SURGICAL PHASE I (8Hrs)

- Evaluating systemic health of the patient
- Delivery of local anaesthesia
- Isolation protocol
- Live demonstration of implant placement on patient

5th MODULE: SURGICAL PHASE II (8Hrs)

❖ LECTURE:

- Types of healing abutment
- Emergence profile
- Correlation b/w Gingival Biotype & Healing abutment
- Live demo of 2nd Phase Surgery

6th MODULE: PRE-PROSTHETIC PHASE (8Hrs)

- Implant prosthesis
- Impression making
- Selection of abutments
- Demonstration of impression

7th MODULE: (8Hrs)

- Lecture on implant occlusion
- Cementation/screwing of prosthesis
- Implant failure & complications



LASERS

Why us?

- Successfully running undergraduate laser program from past few years.
- The applications of laser in different clinical scenarios are taught in this course.
- Participants can work on patients using lasers.

Laser dentistry can improve the precision of your treatment while minimizing pain, treatment time and recovery time.

Laser based practice has become mainstream now a days.

Patients are also getting aware about this mode of treatment. Some of them insist on getting Laser treatments.



**GSL Dental College &
Hospital**



LASERS

2023-24

Learning Outcomes

- ✓ By the end of the course participants should:
- ✓ have improved their core knowledge in laser use in dentistry and refined their practical skills
- ✓ have an understanding of laser physics, emission modes, and how different laser wavelengths interact with various target tissues in order to deliver the optimal outcome
- ✓ have an understanding of the advantages of laser applications in dentistry in comparison to the conventional methods
- ✓ have an understanding of the health and safety regulations in using laser in your daily practice

Module-1 (10Hrs)

- ✓ Introduction.
- ✓ Laser physics.
- ✓ Emission modes and types of lasers.
- ✓ Laser wavelengths in dentistry and their applications.
- ✓ Types of lasers.
- ✓ Laser-tissue interaction.
- ✓ Photobiomodulation (low level laser therapy)
- ✓ Laser safety.
- ✓ Hands-on on tomatoes and chicken leg
- ✓ Each participant should do minimum one minor periodontal surgical procedure using laser.

Module-2 (10Hrs)

- ✓ Laser use in hard-tissue management
- ✓ Optimal laser wavelengths and power parameters relative to absorption phenomena in oral hard tissue
- ✓ Laser interaction with dental caries, enamel, dentine, cementum
- ✓ Laser-assisted restorative therapy
- ✓ Practical session: laser-hard tissue interaction and its application on extracted teeth

