

To:
The Principal/Director
SDC & RI
SriGanganagar

Sub: Curriculum for proposed Implantology Course @ SDC & RI

Respected Sir,

Based on the repeated requests from the Post-Graduate trainees of the dept. of OMFS as well as to complete the need for their curriculum-based training in the department, I have curated a 3-Module Implantology Course specifically designed to suit their academic as well as clinical practice requirements.


The complete course will be structured to cover basics of relevant topics pertaining to a detailed understanding of the science and the practice of Implantology.

Each module (of 3 days spread across Sat-Sun-Mon preferably) would be of approximately 4-5 hours duration, preferably after regulated college working hours (maybe 4.30pm to 8.30pm).

Attached is the format of the course for your kind review and opinion.
Regards

Dr Jeevan C A
Dept. of OMFS
SDC & RI

11th March, 2021


DIRECTOR PRINCIPAL
SURENDRA DENTAL COLLEGE
& RESEARCH INSTITUTE
SRI GANGANAGAR (RAJ)

First Module:

Day 1

Brief history of the evolution of Oral Implantology
Basic Clinical Anatomy
Patient history (relevance of conditions like Diabetes, Osteoporosis, patients on Oral Anticoagulants, etc)
Patient Examination and Clinical assessment
Investigations
Lab support & prescription to Technician
CBCT- How to interpret ?

Hands on: Case assessment on Articulated casts to simulate different situations

Day 2

Anatomy of an Implant- Components and Terminology
Osseointegration – changing perspectives
- Implant survival Vs. Success
- Understanding Primary & Secondary Osseointegration
Fundamentals of Implant Design
- Macrodesign (thread geometry and its relevance)
- Micro (Surface Modifications)
-

Hands on: Dummy implant placement on models

Day 3

Treatment planning
- Setting patient expectations of outcome and achieving them
- Single/Multiple-teeth rehab/ Full-arch/Full-mouth rehab
- Importance of Surgical Template
Practice Management – “How to get the patient to say ‘Yes’ to implants “
Informed Consent – medico-legal aspects of practice
Importance of Documentation (Towards Credentialing by ICOI)

Hands on: Preparation of Surgical templates for single/multiple and full arch situations

Second Module:

Day 1

Instrumentation and Set-up for Implant practice
Basic/Advanced Implantology – requirements & support
Inter-disciplinary approach (Team Vs. Individual practice)
Surgical principles – Asepsis/Incision-making & Wound Closure

Hands on: Understanding your Physiodispenser & Handpiece – rpm/torque/irrigation

Day 2


Understanding Bone Loss
Healing of an Extraction socket
Socket Preservation – rationale & techniques
Immediate Extraction Implants
Bone Augmentation – rationale; overview of techniques
Biomaterials (Grafts & Membranes)

Hands on: Animal jaw workshop – Socket preservation on animal jaws

Day 3

Second-stage surgery – Exposure of the implant
Soft tissue management & augmentation techniques
Prosthetic components
Open / Closed tray Impression techniques
Transfer of Impression to Lab
Preparing the jig
Wax-up trial, Metal Trial, Bisque Trial

*Hands on: Soft-tissue management on animal-jaw
Impression making on models*


DIRECTOR PRINCIPAL
SURENDRA DENTAL COLLEGE
& RESEARCH INSTITUTE
SRI GANGANAGAR (RAJ)

Third Module:

Day 1

Ridge-Augmentation procedures (Splitting; Expansion; Inlay-Onlay grafting)

Maxillary Sinus Lift (Indirect & Direct)

Hands on:

1. Animal jaw – ridge Splitting with Piezosurgery and Expansion with Expanders/Osteotomes
2. Dummy models – Sinus Lift window preparation and sinus grafting

Day 2

Implant-protected Occlusion

Cement-retained Vs. Screw-retained Implant prostheses – When and Why?

Prosthetic stage for Full-arch rehabilitation

- Overdentures
- Hybrid Prostheses
- Fixed Full-arch prostheses

Hands on: Guided Surgery Software Navigation & Planning (Demo)

Day 3

Review and Follow-up protocols for practice

What to look for and documentation

Complications and Management


Hands on: Soft-tissue management on animal-jaw
Impression making on models


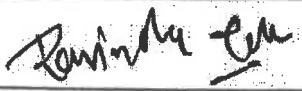

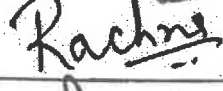



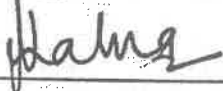
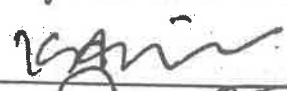
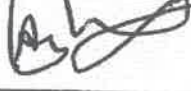
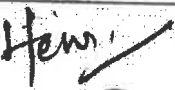


DIRECTOR PRINCIPAL
SURENDRA DENTAL COLLEGE
& RESEARCH INSTITUTE
SRI GANGANAGAR (RAJ)

Implant Module

List of students registered and successfully completing add-on course-

S. No.	Names
1	Dr. Sashank Arora(perio) ✓
2	Dr. Vijay Prajapat ✕
3	Dr. Puneet Bhushan Karla ✓ (perio)
4	Dr. Kapil Kumar Karadwal (os) ✓
5	Dr. Akhilesh Verma (prostho) ✓
6	Dr. hem Khanna ✕


DIRECTOR PRINCIPAL
SURENDRA DENTAL COLLEGE
& RESEARCH INSTITUTE
SRI GANGANAGAR (RAJ)

S. NO	NAME	SIGNATURE
1.	DR. NAVEEN GUPTA	
2.	DR. RAVINDRA TAK	
3.	DR. NEEL GAGAN	
4.	DR. RACHANA SACHDEV ✓	
5.	DR. VAIBHAV SACHDEV	
6.	DR. SASHANK ARORA ✓	
7.	DR. VIJAY PRAJAPAT	
8.	DR. PUNEET BHUSHAN KARLA ✓	
9.	DR. KAPIL KUMAR KARADWAL ✓	
10.	DR. AKHILESH VERMA ✓	
11.	DR. HEM KHANNA ✓	
12.	DR. GAJENDRA KUMAR PARIHAR	


DIRECTOR PRINCIPAL
SURENDRA DENTAL COLLEGE
& RESEARCH INSTITUTE
SRI GANGANAGAR (RAJ)