

# Course Objectives:

Upon completion of this one-week comprehensive implant education program, the clinician will be able to accomplish the following tasks:

- 1. Identify cases suitable for dental implants.**
- 2. Diagnose and treatment plan for preservation and restoration of edentulous partially edentulous arches.**
- 3. Demonstrate competency in the placement of single tooth implants, soft tissue management, and bone augmentation.**
- 4. Obtain an ideal implant occlusion. 5. Work as part of an implant team with other professionals.**
- 6. Incorporate implant treatment into private practice. with quality results, cost effectiveness, and profitability.**

## **FIRST DAY (FACULTY LECTURES)**

Introduction to Oral Implantology—history of implants, types of implants and their uses, grafting and augmentation, removable vs. fixed prostheses, screw-retained vs. cemented prostheses, HA coated vs. non-coated implants

Implant Site Development and Alveolar Bone Resorption Patterns—relationship of natural teeth to the alveolar bone, resorption patterns in the event of tooth loss, site development, aesthetic requirements of implant prostheses

Implant Diagnosis and Treatment Planning—medical and dental evaluation of potential implant patients, risk factors

Implant Overdentures, Attachments, and Home Care—fabrication of implant overdentures, implant retained and tissue supported overdentures, overdenture attachments, occlusion, and home care

Placement of Dental Implants—implant armamentarium, site-specific osteotomy, flap designs, minimally invasive surgical approaches, gingival grafts, bone grafting, platelet rich plasma, hard tissue augmentation, suturing techniques, sinus lifts

Periodontal Considerations—hard and soft tissue augmentation procedures, guided bone regeneration, gingival and subepithelial tissue grafts, crown lengthening, soft tissue sculpting, periodontal suturing techniques, papilla augmentation

Implant Prosthodontics—single tooth replacement, multiple tooth replacement, full arch implant replacement, implant overdentures, maxillofacial implant prostheses

Implant Failure—bacterial, mechanical (occlusal), psychological, systemic, surgical, smoking, extraordinary failure

## **SECOND DAY (HANDS-ON-TRAINING)**

Prosthodontic diagnosis and work-ups with fixed and removable designs. Surgical diagnosis and work-ups using preservation oriented models. Hands-on demonstrations of surgical drills, implant motors, handpieces, and surgical and prosthodontic instrumentation. Surgical and prosthodontic workshops using actual instrumentation, implants, abutments, analogs, components, and attachments

## **THIRD DAY (DIAGNOSIS AND TREATMENT PLANNING)**

Participants will diagnose and treatment plan actual cases for live patients. Preparation will include taking of radiographs, making diagnosis casts and surgical templates, and making diagnostic wax-ups. Each participant will diagnose and treatment plans a minimum of three cases with individual instructor assistance.

## **FOURTH DAY (LIVE PATIENT TREATMENT)**

Demonstrations of step-by-step implant placement, including ridge augmentation, grafting, sinus elevation, and suturing. Each participant will place 2 to 4 implants in patients (provided by course) that have been diagnosed the previous day. Individual instructor guidance and supervision will be available for each implant placement by participants.

## **FIFTH DAY (REVIEW)**

Continuation of implant placement (if necessary). Review of implant insertions of previous day, with postoperative follow-up observations of implant patients. Review of implant surgery and prosthodontic procedures, all material previously presented, and discussion of participants' future cases. Introduction to implant practice management--treatment planning, case work-up, patient presentation, marketing and patient communication skills.

Question and answer session.