The New York Academy of Dentistry
Endowment Fund, Inc.
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8:00 P.M.

3-D IMAGING AND CT-GUIDED DENTAL IMPLANT SURGERY

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The integration of cone beam technology and 3-D imaging has advanced the practice of digital dentistry. CT-Guided dental implant planning and surgical techniques are far superior to traditional 2-dimensional imaging and "freehand" placement of dental implants. The benefits of this technology include awareness of anatomical challenges during treatment planning, a less invasive surgical procedure, increased precision of implant placement, reduced surgical time, and enhanced patient recovery. As a result, prosthetic restoration is more straightforward and implant success rate is improved. This session will demonstrate how the merging of implant planning software, CAD/CAM technology and guided surgery can enable surgeons and restorative dentists to leverage the benefits of digital dentistry.

The course will introduce participants to 3-D CT volumetric implant treatment planning. Discussion of shortcomings of traditional implant planning and surgical guides will take place and will include a few cases where preoperative 3D imaging would have been beneficial. There will be an introduction to Guided Implant Software and workflow and a presentation of a variety of Guided Implant Surgery cases as well as the merging of Cone Beam CT and dental CAD/CAM technology.

Educational Objectives:

At the conclusion of the program, the participant will:

1. Understand how 3-D technology is used to improve the accuracy and consistency of dental implant placement
2. Be able to discuss the work flow from diagnostic study models to surgery
3. Become familiar with 3-D implant planning software
4. Understand why 3-D CT-guided surgery is the future of implantology
5. See the future of Digital Dentistry

Dr. Jay Reznick is a Diplomate of the American Board of Oral and Maxillofacial Surgery, He received his undergraduate Biology degree from CAL-Berkeley, Dental degree from Tufts University, and his MD degree from the University of Southern California. He did his internship in General Surgery at Huntington Memorial Hospital in Pasadena and trained in Oral and Maxillofacial Surgery at L.A. County-USC Medical Center.

His special clinical interests are in the areas of facial trauma, jaw and oral pathology, CT guided dental implant surgery, sleep disorders medicine, laser surgery, and jaw deformities. He also has expertise in the integration of digital photography and 3-D imaging in clinical practice.

He frequently lectures at continuing education meetings, and has published articles in JADA, Journal of the California Dental Association, Oral Surgery-Oral Medicine-Oral Pathology, Compendium of Continuing Education in Dentistry, DentalTown Magazine, CE Digest, CEREC Doctors Magazine, Implant Practice US, CAD/CAM Dentistry, and Gatroenterology.