Columbia University/ICOI 6th Annual Dental Implant Symposium:
Technology, Trends and Techniques in Implantology
December 11-12, 2015
Columbia University, New York City

Course Description:
This Symposium will address the latest *Technology, Trends and Techniques in Implantology*. An international panel of implant experts will share their knowledge and expertise in areas including: craniofacial growth and implant esthetics, facial reconstruction, ceramic failures, peri-implant disease diagnosis, prevention and treatment, use of bone morphogenetic proteins, prosthetic space logistics, immediate implant reconstruction, full arch solutions and maxillary sinus augmentation with synthetic biomaterials, sinus augmentation, and quantitative percussion diagnostics for risk assessment. A question and answer period will follow each presentation to allow for optimal audience interaction.

Speakers will discuss technological advances that allow clinicians and technicians to create designs with advanced materials that help to minimize complications. High rates of ceramic failures in implant prosthodontics will be examined, and treatment options and materials utilized to treat the edentulous maxilla will be reviewed. Presentations will explore long term effects of continued craniofacial growth of adults and its potential implications. The factors involved in diagnosing and arresting the progression of peri-implant disease will be analyzed. Evidence-based data regarding the efficacy and validity of allogenic blocks will be presented, and information on bone formation and remodeling of synthetic biomaterial will be reviewed. Lateral versus crestal treatment modalities in maxillary sinus augmentation will be compared. The integration of restorative, surgical and laboratory disciplines, combined with CBCT technology will be examined.

Course Objectives:
Upon completion of this course, participants will: understand the indications for hybrid restoration and the options in material and tooth selection for given clinical situations; identify the causes of ceramic failure in implant supported restorations; learn how Vitamin D therapy can impact synthetic bone material remodeling; understand the clinical possibilities and uses of quantitative percussion testing; learn the benefits offered by CAD-CAM technology in minimizing prosthetic complications; realize the potential implications of subtle growth on functional and esthetic outcomes of implant restorations; become familiar with specific implant surgical techniques used to optimize results of treatment; understand the indications and protocol for computer guided full arch and full mouth reconstruction; learn the native regenerative potential of alveolar bone and the maxillary sinus; describe the role and indications for facial transplantation.