Facilities
Didactic and lecture portions of the course will be held in the Herman Ostrow School of Dentistry located at the University Park Campus of the University of Southern California. The clinical portion of the course will also be conducted in the Herman Ostrow School of Dentistry patient treatment areas enabling all aspects of patient treatment from instrument sterilization to radiographic services. Solis Surgical Arts Center, founded more than 20 years ago, is a unique training facility primarily dedicated to the dental needs of patients requiring general anesthesia and/or IV moderate to deep sedation. While training dental anesthesia and other post-doctoral surgical residents, Solis Surgical Arts is one of the safest, most efficient, and technologically advanced centers for delivering anesthesia services for dentistry. In 2014, this relocated facility — “Solis Dos” — was constructed as a new, state-licensed ambulatory surgery center (ASC), complete with two full-sized operating rooms and a full complement of latest technology in the field of dental anesthesiology. Participants in the Herman Ostrow School of Dentistry’s course in IV Moderate Sedation will be exposed to this one-of-a-kind surgicenter to experience a general dental practice that has incorporated the entire spectrum of pain and anxiety control available to dentists. Various additional rotations and more involved experiences can be arranged with the facility’s director, Dr. Kenneth Lee.

Enrollment in this clinical course is limited to ensure an abundance of moderate sedation experience with high standards in patient safety. Participants MUST arrange for 2 dental auxiliaries to assist and learn the anesthesia care team concept, and participants will be REQUIRED to provide operational moderate sedation vital signs monitors for use with this course. This intensive course in parenteral moderate sedation will also require participants to perform dental procedures while simultaneously administering moderate sedation drugs with their anesthesia care team. Clinical days will extend late into each Sunday afternoon, and participants should not schedule for flights or other transportation that may limit time to complete clinical requirements.

For more details regarding this course, please contact the Herman Ostrow School of Dentistry Continuing Professional Education at 213-821-2127 or via email at cedental@usc.edu.
The Herman Ostrow School of Dentistry is proud to offer to you this comprehensive parenteral moderate sedation course. The 2016 course expands its curriculum to include new drug regimens, advances in patient monitoring, and ACLS Certification. This intensive course consist of 12 days totaling 92 hours; 8 days of lectures and hands-on workshops, and 4 days of clinical patient experience. Each clinical session will be followed by 2 hours of de-brief and classroom troubleshooting. The course meets (and exceeds) the educational requirements established by the ADA Guidelines and fulfills most state regulations for administration of IV moderate sedation to dental patients. Each didactic day begins with a pre-session knowledge assessment and concludes with a case-based group learning exercise. Participants will perform physical evaluation, take medical histories, outline an anesthetic plan, initiate and confirm intravenous access, administer and become competent in the titration of sedative medications, and perform dental procedures under close supervision of faculty who have had post-graduate training in dental anesthesia. Participants will also receive over-the-shoulder demonstration of airway management in a live patient setting.

**Topics to be covered:**

- Factors affecting pain and anxiety control
- Patient evaluation, selection, and suitability for moderate sedation through medical history taking, physical diagnosis, and psychological consideration
- The continuum of sedation and anesthesia, with particular emphasis on monitoring levels of sedation and the recognition of unintended deep sleep/general anesthesia
- Respiratory physiology, anatomy, and pathology
- Pharmacology of moderate sedation agents, adjunctive agents, and local anesthesia
- Drug interactions and contraindications
- Indications and contraindications for the use of moderate sedation in an office-based setting
- Review of possible dental procedures done with moderate sedation
- Principles of patient monitoring
- Intravenous access, complications, and other routes of parenteral administration
- Moderate sedation treatment planning
- Prevention, recognition, and management of systemic complications of moderate sedation
- Recognition of sedation emergencies, emergency airway management, and patient rescue techniques
- Record keeping and medico-legal aspects of dental moderate sedation
- Abuse and diversion
- Live patient ventilation and clinical exposure to rescuing a patient from unintended loss of consciousness

**Upon completion of this course participant will know:**

- Advantages and disadvantages of moderate sedation
- Prevention, recognition, and management of complications associated with moderate sedation in an office-based setting
- Safe and effective administration of moderate sedation and selected drugs to patients in a clinical setting
- How to recognize abuse potential, occupational hazards, and other untoward effects of the agents utilized for moderate sedation
- Technique of intravenous access, intramuscular injection and other parenteral techniques
- Pharmacology of the drugs selected for administration
- Precautions, indications, contraindications, and adverse reactions associated with the drugs selected
- Complications associated with techniques of moderate sedation
- How to prepare a protocol for management of emergencies in the dental office, and demonstrate understanding in usage of emergency drugs and equipment required for the prevention and management of emergency situations
- Principles of advanced cardiac life support (ACLS)
- Principles and certification in AHA Advanced Cardiac Life Support (ACLS)
- How to manage an emergency situation