

SYLLABUS

ORT 710

Management of Complex Orofacial Deformities

Course Director: G. Thomas Kluemper, DMD, MS

Second Year Orthodontic Graduate Students and Pediatric Dentistry Residents

COURSE DESCRIPTION

This one credit course is comprised of seminar discussions of techniques in orthodontic problem solving and treatment for patients with orofacial deformities refractory to either orthodontic therapy or oral surgery, but which are resolvable by utilizing combinations of orthodontic and oral surgical therapies. Prereq: ORT 660 or permission of instructor.

COURSE OBJECTIVES

Students will demonstrate understanding of: embryology of the normal developing face; embryology of facial clefts; embryology of selected craniofacial syndromes; plastic surgical management of cleft lip/cleft palate; review of human genetics and selected craniofacial syndromes; early (acute) management of cleft palate; intermediate dental management of cleft palate; long term orthodontic/dental management of cleft palate; speech and hearing problems in cleft palate.

COURSE EVALUATION

Performance will be based on student preparedness for seminar discussions and an oral presentation at the end of the course. The topic of the oral presentation is the choice of the student, within the perimeters described on the next page. Excellent preparation and participation in seminars as well as on the final oral presentation will earn an Honors grade. Acceptable performance will earn a Pass grade. Failure to participate will result in a failing grade. Students are expected to abide by the College Honor Code standards.

All activities in this course are conducted under the College of Dentistry Code. The College has high expectations of each student concerning professional and academic responsibilities, including self-governance. If you have questions about expected standards of behavior, it is your responsibility to discuss and clarify these questions with the course director.

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Management of Complex Orofacial Deformities
Oral Presentation Parameters

The final two meetings for this course will consist of six, 30 minute oral presentations, one from each resident, on a topic relevant to the material covered in this course. **The goal of your presentation should be to learn and share new information for yourself and your colleagues relating to the overall management of patients with complex orofacial deformities.** It does not have to be a heavily referenced presentation, and one source of information can be an interview of a patient and/or his family, or health care provider, depending on the topic and perspective being presented. It can, but is not required to involve visual aids.

Your presentation will be evaluated on content of information presented, creativity and overall quality.

Potential topics and/or examples:

- From the patient's perspective, what are the most difficult challenges to overcome with a facial deformity? This will involve a rather extensive interview of one or more patients. Our patients in the Orthodontic Graduate Clinic or the Commission for Children with Special Health Care Needs are available and I will help you with access to the Commission if you need it.
- From a health care provider's perspective, what are the newest and most effective therapies available in the treatment of orofacial deformities? This can also include a series of interviews with members of the cleft palate team. In a previous year, one student conducted an extensive Internet search on a new surgical lip repair and included downloaded video of the procedure that was particularly effective. Your talk can focus on any one specialty involved in the team approach, or a combination of more than one.
- One student in a previous year conducted an extensive literature review (would now be done in a CAT format) of a common belief in her native country that hot tubs for pregnant women increase the chances of congenital deformities.
- From a parent's perspective, what are the most difficult issues to deal with for your child with an orofacial deformity? What information helped them resolve these issues and from whom has it come. How does this information help us as providers to be most supportive to the families and special patients that we serve?

These are merely suggestions and are not intended to limit you from any areas of interest. **Please carefully consider your interests as you develop an idea for your presentation and discuss it with me for final approval.**

Final note: obviously, you do not have to wait until the end of the lecture series to begin your preparation for this presentation. *Enjoy!*

COURSE SCHEDULE
ORT 710

DIRECTOR: DR. G. THOMAS KLUEMPER
ORT 710: MANAGEMENT OF COMPLEX OROFACIAL DEFORMITIES
SECOND YEAR RESIDENTS

<u>SESSION</u>	<u>TOPIC</u>	<u>LECTURER</u>
1	Introduction	Dr. Tom Kluemper
2	Syndromes Associated with Cleft Palate	Dr. Carolyn Bay
3	Hemifacial Microsomia	Dr. Joe VanSickels
4	Speech & Hearing Problems in Cleft Palate	Dr. Lonnie Harris
5	Early (Acute) and Intermediate Management of Cleft Palate	Dr. John Mink
6	Plastic Surgical Management of Cleft Lip/Cleft Palate	Dr. Henry Vasconez
7	Long Term Orthodontic/Dental Management of Cleft Lip/Palate	Dr. Tom Kluemper
8	Dr. Ann Kummer Guest Speaker	
9	Oral Presentations	Residents
10	Oral Presentations	Residents

ORT 710 COURSE READING ASSIGNMENTS

Session 7: Long Term Orthodontic/Dental Management of Cleft Palate

Trotman CA, Ross RB. Craniofacial growth in bilateral cleft lip and palate: ages six years to adulthood. Cleft Palate Craniofacial Journal 30(3):261-273, 1993.

Lisson JA, Trankmann J. Comparative survey of osteotomized and nonosteotomized BCLP patients. Cleft Palate Craniofacial Journal 34(5):430-437, 1997.