



Lab Meeting

Friday, August 9th
403 Salk Hall at 12pm

Recent Publications

Genetics of tooth agenesis: how to move the field forward. Vieira AR. *J Appl Oral Sci.* 2013;21(3). doi:pii: S1678-77572013000300000. 10.1590/1678-77572013ed003

Student Rotations

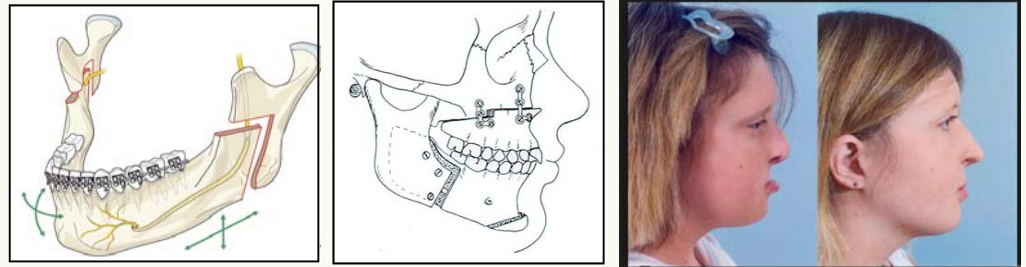
3rd-Year dental students are participating in an inter-professional experience as part of their rotations. Students shadow doctors at the UPMC Digestive Disease Center and offer dental evaluations to patients at the DDC. Studies have suggested that periodontal disease is connected to various systemic diseases, such as irritable bowel disease. This rotation aims to give the students experience to working with physicians and nurses in a hospital setting.

Recruitment Summary

Affected by Digestive Disease	41
Not Affected by Digestive Disease	34

Lab News

Severe vertical and horizontal craniofacial deformities affect 20% of Americans and can be quite debilitating. Recent data from the Vieira Lab supports the idea that some of these problems are influenced by genetic variation in genes involved with muscle physiology, which provides rationale for a paradigm shift from the suggestion that malocclusions are driven solely by skeletal relationships. NIDCR has recently funded a high risk project (R21 mechanism) to have Dr. James Sciote at Temple, working in association with Dr. Vieira and Dr. Gwenael Raoul in Lille, France, study mechanisms leading to severe malocclusions. The work will combine gene expression in the masseter muscle with genetic variation in genes involved in height and muscle function.



Treatment of severe craniofacial deformities involve orthodontics and orthognathic surgery. Understanding factors involved in these conditions may lead to personalized approaches that can improve current treatment standards.

DRDR Update

Tables show running totals of patient recruitment.

Recruitment Summary

Subjects Recruited	4024
Subjects Declined	585
Compliance Rate	87%

Subject Recruitment Location

Module 1	1007	Emergency Care	68	UDHS	8
Module 2	1333	Oral Surgery	43	Orthodontics	150
Module 3	485	Pediatric Dentistry	254	Other	78
Module 4	231	Implant Center	15	AEGD	22
Dental Hygiene	257	Prosthodontics	34	Perio	13
Endo	26				