



## Lab Meeting

**Wednesday, November 13th**  
403 Salk Hall at 11am

## Recent Publications

**Fine Mapping of 6q23.1 Identifies TULP4 as Contributing to Clefts.** Vieira AR, de Carvalho FM, Johnson L, Devos L, Swailes AL, Weber ML, Deeley K. Cleft Palate Craniofac J. 2013 Sep 25. [Epub ahead of print]

**Translational Genetics: Advancing Fronts for Craniofacial Health.** D'Souza RN, Dunnvald M, Frazier-Bowers S, Polverini PJ, Wright JT, de Rouen T, Vieira AR. J Dent Res. 2013 Oct 4. [Epub ahead of print]

**Evidence of genetic variations associated with rotator cuff disease.** Motta GD, Amaral MV, Rezende E, Pitta R, Dos Santos Vieira TC, Duarte ME, Vieira AR, Casado PL. J Shoulder Elbow Surg. 2013 Oct 12. doi:pii: S1058-2746(13)00396-0. 10.1016/j.jse.2013.07.053. [Epub ahead of print]

## 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 working with physicians and nurses in a hospital setting.

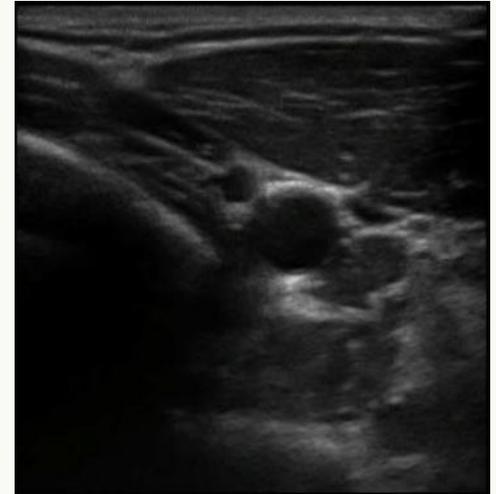
## Recruitment Summary

<b>Affected by Digestive Disease</b>	48
<b>Not Affected by Digestive Disease</b>	43

## Lab News

Since its publication in the *Open Journal of Stomatology* in June of 2012, the article "Detection of Carotid Artery Plaques in the Dental Setting" has become one of the most popular and most downloaded papers in the journal.

It has been suggested that atherosclerotic plaques can be visualized in a panoramic radiograph, but this tool is not reliable for systematic screening of patients due to its low sensitivity. The paper mentioned above investigated the potential role for dental practitioners to use an ultrasound machine to detect carotid artery plaques. Lisa Babb, who graduated in 2011, helped perform this study while she was a second-year student.



Ultrasound image from a healthy study participant obtained in the dental setting and showing a carotid artery without any obstruction.

To read this article, go to the following link and search for the title: <http://www.scirp.org/journal/ojst/>.

## DRDR Update

*Tables show running totals of patient recruitment.*

## Recruitment Summary

<b>Subjects Recruited</b>	4122
<b>Subjects Declined</b>	610
<b>Compliance Rate</b>	87%

## Subject Recruitment Location

<b>Module 1</b>	1042	<b>Emergency Care</b>	68	<b>UDHS</b>	8
<b>Module 2</b>	1360	<b>Oral Surgery</b>	43	<b>Orthodontics</b>	150
<b>Module 3</b>	501	<b>Pediatric Dentistry</b>	254	<b>Other</b>	80
<b>Module 4</b>	235	<b>Implant Center</b>	15	<b>AEGD</b>	22
<b>Dental Hygiene</b>	265	<b>Prosthodontics</b>	37	<b>Perio</b>	15
<b>Endo</b>	27				