



Vieira Lab Newsletter

Lab News



A chemical analysis of mineral contents of enamel demonstrated that levels of calcium and magnesium in the surface of the teeth associate with genetic variation in enamelin, a gene when mutated causes autosomal forms of amelogenesis imperfecta. These analyses provide a framework for studies that aim to identify individuals who may be more susceptible to enamel demineralization and were performed in collaboration with the Chemistry Department and their students, Alina Halusic (top photo) currently in the dental hygiene class of 2015, and Victoria Sepich, a pre-dental undergraduate student. The article, Calcium and magnesium levels in primary tooth enamel and genetic variation in enamel formation genes. Halusic AM, Sepich VR, Shirley DC, Granjeiro JM, Costa MC, Kuchler EC, **Vieira AR**. *Pediatr Dent*. 2014;36(5):384-8., can be found here:

<http://www.ncbi.nlm.nih.gov/pubmed/25303504>



Amelogenesis imperfecta due to mutation in enamelin (image from Mardh et al. *Hum Mol Genet* 2002;11:1069-74)

Upcoming Events

Clinical Research Fall Lecture Series

Dr. Sally Farah
“Treating Head and Neck Cancer: A Multidisciplinary Approach”

1 CE Credit Hour Available
SCOPE credit available

December 3, 2014
Noon-1 PM 458 Salk Hall

Vieira Lab Meeting
December 2, 2014
9:00 AM 501 Salk Hall

DRDR Update

Tables show running totals of patient recruitment

Subject Recruitment Location

Module 1	1223	Emergency Care	68	UDHS	8
Module 2	1556	Oral Surgery	43	Orthodontics	159
Module 3	551	Pediatric Dentistry	266	Other	88
Module 4	266	Implant Center	15	AEGD	22
Dental Hygiene	307	Prosthodontics	52	Perio	21
Endo	67	Affected by Digestive Disease	52	Not Affected by Digestive Disease	83

Recruitment Summary

Subjects Recruited	4712
Subjects Declined	795
Compliance Rate	85%