



Vieira Lab Newsletter

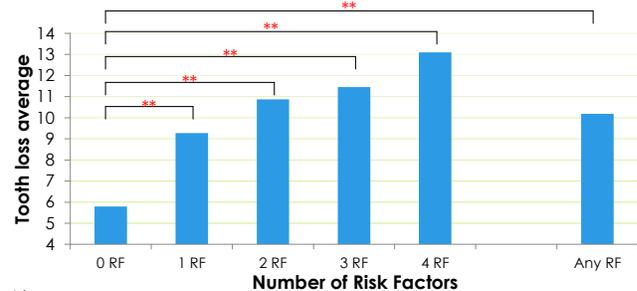
Lab News

One of the goals of genetic research is to improve the personalized medical experience. In an ideal world, we would be able to tell if a person is at risk for things like periodontitis, dental caries, and tooth loss by looking at their genes. In the most recent publication from the Vieira Lab, we showed that individuals with hypertension, diabetes, those who smoke, or have certain interleukin 1 genotypes have higher frequency of tooth loss. Tooth loss is more dramatic in individuals that accumulate more than one of these risk factors. These studies were performed with the support of the Dental Registry and DNA Repository and tooth loss trends were evaluated for 4,137 patients.

This work had the participation of Katelyn Hilands as part of her Dean's Summer scholarship and can be read in its entirety at <http://www.mdpi.com/2075-4426/5/1/30>



Tooth loss average vs number of RF (Risk Factors) in DRDR population (N=881)



RF	N
0	128 (14.5%)
1	323
2	242
3	78
4	10
Total = 881	

Between groups	P-value
0 RF vs 1 RF	<0.01
0 RF vs 2 RF	<0.01
0 RF vs 3 RF	<0.01
0 RF vs 4 RF	0.02
0 RF vs Any RF	<0.01

Upcoming Events

Vieira Lab Meeting

Tuesday, March 17, 2015
10:00 a.m. – Noon
403 Salk Hall

DRDR Meetings

Tuesday, March 3, 2015
8:00 a.m. 403 Salk Hall

Wednesday, March 25, 2015
8:00 a.m. 403 Salk Hall

IADR Meeting

March 11-14, 2015
Hynes Convention Center
Boston, MA

DRDR Update

Tables show running totals of patient recruitment

Subject Recruitment Location

Module 1	1271	Emergency Care	68	UDHS	8
Module 2	1586	Oral Surgery	44	Orthodontics	171
Module 3	557	Pediatric Dentistry	278	Other	88
Module 4	274	Implant Center	15	AEGD	22
Dental Hygiene	318	Prosthodontics	52	Perio	22
Endo	67	Affected by Digestive Disease	52	Not Affected by Digestive Disease	84

Recruitment Summary

Subjects Recruited	4841
Subjects Declined	842
Compliance Rate	85%