

## UNIVERSITY OF NEBRASKA

### I. Postgraduate Student Update:

December 2020 Graduates

Dr. **Alaina Allen** (UNMC) – In private practice in Omaha, Nebraska  
Dr. **Kristopher Keller** (Texas A&M) – In practice in Texas  
Dr. **Landon Peterson** (UNMC) – In private practice in Lincoln, Nebraska

Graduating in December 2021

Dr. **Ehsan Mostaghni** (Michigan)  
Dr. **Anna Schoettger** (UNMC)  
Dr. **Ece Agirgol** (Boston U.)

Graduating in December 2022

Dr. **Amanda Busch** (Creighton)  
Dr. **Donte Nesbitt** (Iowa)  
Dr. **Behnoush Bakhtiari** (Michigan)

- Incoming Class of 2023

We are happy to welcome the following candidates who have been matched with our program:

Dr. **Teresa Bae** (Midwestern)  
Dr. **Lyndzie Brace** (UMKC)  
Dr. **Nuo 'Stella' Dong** (UCLA)

They will begin their training on July 1, 2021.

### II. Scholarly Activities

2020 Orthodontic Resident Master's Theses:

Dr. **Alaina Allen**: *Inflammatory Cytokine Expression of Immune Cells on Exposure to Invisalign Material: An In Vitro Pilot Study*

Dr. **Kristopher Keller**: *Stress Relaxation in Orthodontic Aligner Plastics: An In Vitro Comparison Study*

**Dr. Landon Peterson:** *Outcomes of Unilateral Alveolar Clefts Grafted Using Recombinant Human Morphogenetic Protein-2: A Retrospective Volumetric Analysis Using CBCT*

Publications (Since Jan. 2020):

Premaraj T, Vella R, Chung J, Lin Q, Hunter P, Underwood K, **Premaraj S** and Zhou Y, *Ethnic variation of oral microbiota in children*, Nature Scientific Reports, 2020, 10(1): 14788.

Ishani Afousi P, Premaraj T, and **Premaraj S**, *Effects of Flash-Free Bonding Technique on Plaque Retention and Development of White Spot Lesions: A Randomized Clinical Trial*, Sri Lanka Journal of Orthodontics, 2020; 2(1): 26-35

Soyland R, Ye J, Premaraj T, and **Premaraj S**, *An in vitro comparison of shear bond strength, adhesive remnant cleanup and microleakage of a flash-free and conventional orthodontic adhesive*, Sri Lanka Journal of Orthodontics, 2020; 2(1):38-45

J. Patel, K. Sung, **S. Premaraj** and T. Premaraj, *Root Apex Displacement and Root Resorption (RR) During Orthodontic Treatment*, J Dent Res, 99(Spec Iss A): 3573, 2020

J. Patel, K. Sung, T. Premaraj and **S. Premaraj**, *Volumetric Evaluation of Root Resorption during Orthodontic Treatment with Extractions*, J Dent Res, 99(Spec Iss A): 3573, 2020

M. O'Brien, K. Sung, **S. Premaraj** and T. Premaraj, *Retrospective Cephalometric Study of Upper Airway Dimensions and Skeletal Landmarks*, J Dent Res, 99(Spec Iss A): 3573, 2020

**Vishwanath M.**, Janakiraman N., Steinbacher D.M., Uribe F. (2020). *Orthodontic and surgical management of a patient with severe mandibular deficiency and asymmetry with condylar hypoplasia using 3-dimensional surgical planning in combination with a modified surgery-first approach*. Am J Orthod Dentofacial Orthop. 2020 Sep; 158(3): 426–442.

Sadr, A., **Bakhtiari, B.**, Hayashi, J., Luong, M. N., Chen, Y.-W., Chyz, G. Tagami, J. (2020). *Effects of fiber reinforcement on adaptation and bond strength of a bulk-fill composite in deep preparations*. Dental Materials, 36(4), 527-534.

Invited Presentations and CE Presented:

**Vishwanath M.** Contemporary Orthodontic Biomechanics: Presented via Zoom to orthodontic faculty and students at the Texas A&M School of Dentistry, Oct. 2020.

**Vishwanath M.,** Marshall J, Skar, B. Collaborating for excellence: An interdisciplinary approach to prevent and manage caries, malocclusion and trauma in children, UNMC, College of Dentistry, Fall 2020 CE, September 18, 2020.

**Vishwanath M.** Force System of V-bends: Two vs. Three Dimensional Analysis of Tooth Movements, The 47th Annual Moyers Symposium, Pre-symposium, Session 1, Ann Arbor, Michigan, February 28, 2020.

**Vishwanath M.** Dento-Facial Diagnosis Based on Esthetic Principles, Tri-Valley Dental Society, Fremont, Nebraska, January 20, 2020

**Vishwanath M.** Orthodontic Diagnosis Based on Esthetic Principles, Nebraska Dental Hygiene Society, Omaha, Nebraska, January 24, 2020

### III. Awards and Honors:

Dr. **Meenakshi 'Minnie' Vishwanath** was awarded the Case of the Month in September 2020. She was invited by the American Journal of Orthodontics to publish a video of the paper titled *Orthodontic and surgical management of a patient with severe mandibular deficiency and asymmetry with condylar hypoplasia using 3-dimensional surgical planning in combination with a modified surgery-first approach.*

### IV. Orthodontic Program News

- Dr. **Thyagaseely 'Sheela' Premaraj**, an Associate Professor within the UNMC College of Dentistry Orthodontics Program, left UNMC in June 2020 to take the Orthodontics Program Director position at Nova Southeastern University College of Dental Medicine in Fort Lauderdale, FL. Dr. Sheela, who earned her graduate certificate from UNMC in December 2010, served as an Associate Professor at UNMC from July 2017 to June 2020, and as an Assistant Professor from March 2011 through June 2017.

In her time at UNMC, she has secured multiple sources of grant funding, most recently, funding to study the effects of Class II correctors and functional appliances on the periodontal health of lower anterior teeth. She has advised many graduate and undergraduate students on student

committees and with thesis projects – and she has authored and published dozens of scholarly articles.

We would like to wish Dr. Sheela continued success. She will be missed here at UNMC.

- Dr. **Meenakshi ‘Minnie’ Vishwanath** was appointed to the Graduate Faculty at the UNMC College of Dentistry as an Associate Professor in June 2020.
- Drs. **Robert Glenn, Paula Harre, Rebecca Hohl, Joseph Hurd, Robert Schoettger, Kim Stafford and Brian McIntyre** continue to provide excellent clinical instruction for the program on a part-time basis. The contributions by all of these outstanding teachers are what make our program excellent.
- Dr. **Anna Schoettger** is preparing a thesis titled, *The Characterization of Aerosols in the Orthodontic Clinic*.
- Dr. **Ehsan Mostaghni** is preparing a thesis titled, *The Effect of Orthodontic Treatment with Extraction on the Upper Airway Dimensions and Morphology: A Retrospective Study using Cone Beam Computed Tomography*.
- Dr. **Prem Premaraj** was an Examiner, American Board of Orthodontics, Clinical examination, November 2020.
- Dr. **Vishwanath** was married to **Brendon B. Orr** on July 18, 2020.

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