

# MELANIE TOWE, DMD, MSD, DABP, DICOI

## EDUCATION

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POSTGRADUATE	M.S.D. in Periodontics, Virginia Commonwealth University, Richmond, VA, 2009
DENTAL	D.M.D, University of Pennsylvania School of Dental Medicine, Philadelphia, PA, 2006
UNDERGRADUATE	B.S. in Biological Sciences, University of South Carolina, Columbia, SC, 2002

## WORK EXPERIENCE

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### ***Advanced Implants and Periodontics 2015- present***

- Owner and Full-time periodontist in a busy, expanding practice
- Provide IV conscious sedation for patients
- Experience in full mouth rehabilitation

### ***Virginia Commonwealth University Department of Periodontics November 2013- present***

- Clinical assistant professor

### ***Peter Hadeed DDS January 2013- 2016***

- Periodontist for a fee for service periodontics and orthodontics practice

### ***Hoffman Dental Group September 2009- 2013***

- Full time periodontist for two busy locations
- Only surgical provider for a large group practice
- Provided IV conscious sedation for patients
- Experience in full mouth rehabilitation

## LICENSES & CERTIFICATIONS

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- American Board of Periodontology Diplomate 2010
- International Congress of Implantologists Diplomate 2013
- Maryland State Dental License 2009
- Virginia State Dental License 2009
- American Dental Licensing Exam (ADLEX) - 2006
- Advanced Cardiac Life Support – re-certified in December 2018
- Healthcare Provider (CPR & AED) – re-certified in March 2020
- IV Conscious Sedation Licensure in Virginia

## HONORS & AWARDS

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- Chief Periodontal Resident 2008
- The Alexander Fellowship 2007
- Peer Leader Award 2002
- Pre-medical Honors Society 2000-2002
- Omega Phi Alpha Honors Service Society 2000-2002
- Dean's Honor List 2001
- Who's Who Scholarship 2001
- National Youth Leadership Forum 1998
- Board of the Royal Schools of Music-Level 7 Pianoforte- Distinction 1998

- University of South Carolina Piano Teacher's Association Scholarship 1997
- University of South Carolina Gibson's Scholarship 1997

## **LEADERSHIP & PROFESSIONAL ACTIVITIES**

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### ***Advanced Dental Implant Study Club 2018- present***

- President

### ***Frederick County Dental Society 2014-present***

- President 2019-2020

### ***Virginia Commonwealth University Department of Periodontics, November 2013- present***

- Clinical Assistant Professor
- Mock Board Examiner

### ***Maryland State Dental Association 2012- present***

- Delegate 2013- present
- Continuing Education Committee member
- Membership Committee member

### ***Virginia Society of Periodontists 2009- present***

- Secretary/ Treasurer 2014

### ***Clinical Instructor, Virginia Commonwealth University Department of Periodontics, 2006-2009***

- Oversaw patient care in the undergraduate periodontal clinic.

### ***Teaching Assistant***

- Predoctoral endodontics lab 2005
- Predoctoral health promotion course 2004
- Undergraduate organic chemistry lab 2000

### ***Treasurer, Delta Sigma Delta 2005***

- Responsible for balancing fraternity budget

### ***Peer Leader 2002***

- Taught Undergraduate University 101 Class

## **SCHOOL & COMMUNITY SERVICE**

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- Mission of Mercy (MOM) project 2006-2009
- PENN Smiles Dental Van 2003-2006
- Dorn Veteran Hospital Dental Clinic 1997-2002

## **RESEARCH**

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***Frequency of Toll Like Receptor Polymorphism in Aggressive Periodontitis Population.*** Chou, M., Sahinger, E. Master Thesis. VCU/MCV Dept of Periodontics 2006- 2009

***Radiographic Analysis of Premolar Root Canals in Human Dentition.*** Chou, M., Jou, Y-T. University of Pennsylvania School of Dental Medicine, Dept of Endodontics. Manuscript ready for submission

***Characterization and Isolation of Fungal Metabolites to Determine Anticancer Properties.*** Chou M, Wuthier R. University of South Carolina, Dept of Chemistry and Biochemistry 2000-2002.

## **PRESENTATIONS & PUBLICATIONS**

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- Towe M. All on X Implant Solutions Made Predictable and Rewarding. Virginia Commonwealth University, School of Dentistry, Department of Periodontics. Oct 24<sup>th</sup>, 2019

- Towe M. How to Achieve the Optimal Gingival Contour. Scaling up Study Club. February 8<sup>th</sup>, 2019.
- Towe M. Using a Digital Work-Flow for Prosthetically- Driven Implant Planning. Francis Scott Key Study Club. February 7<sup>th</sup>, 2019.
- Towe M. Sinus bone augmentation using the lateral window approach. Francis Scott Key Study Club. September 6<sup>th</sup>, 2018.
- Towe M. How a periodontist can help to achieve the Hollywood Smile. Francis Scott Key Study Club. March 1<sup>st</sup>, 2018.
- Towe M. Guided Bone Regeneration (GBR) technique for predictable implant placement. Francis Scott Key Study Club. November 30<sup>th</sup>, 2017.
- Towe M. The Most Undertreated Periodontal Condition. Francis Scott Key Study Club. Frederick, MD. April 27<sup>th</sup>, 2017.
- Towe M. Full Arch Immediate Loading Case Presentations. Virginia Commonwealth University, Department of Periodontics. Richmond VA. March 23, 2017.
- Towe M. Immediate Implant Placement and Temporization. Francis Scott Key Study Club. Frederick, MD. November 17, 2016.
- Towe M. How I Started My Periodontal Specialty Practice. Virginia Commonwealth University, Department of Periodontics. Richmond, VA. January 28, 2016.
- Towe M. A New Standard of Care for the Edentulous Patient. The Patuxent Dental Society. Waldorf MD. November 15, 2015.
- Chou M. All- on- 4: A New Standard of Care for the Edentulous Patient. Maryland State Dental Association. Columbia, MD. May 16, 2014.
- Chou M. All- on- 4: A New Standard of Care for the Edentulous Patient. Virginia Commonwealth University, Department of Periodontics. Richmond, VA. May 15, 2014.
- Chou M. Periodontology: Concepts and Review. Maryland State Dental Association. Columbia, MD. March 28, 2014
- Chou M. The Role of Soft Tissue Grafting in Esthetic Dentistry. Maryland State Dental Association. Columbia, MD. February 22, 2013
- Chou M. Immediate Full Arch Implant Rehabilitation. Hoffman Dental Group. Fairfax VA. November 14, 2012
- Chou M. The Evolving Role of Soft Tissue Grafting in Esthetic Reconstructive Dentistry. Hoffman Dental Group. Fairfax VA. May 8, 2012
- Chou M. Incorporating Implants Into General Dentistry. Hoffman Dental Group. Fairfax VA. October 11, 2011
- Chou M. Soft Tissue Replacement Without a Palatal Harvest and an Introduction to Alternative Implant Options. Hoffman Dental Group. Fairfax, VA. January 27, 2010
- Chou M. Black Triangles: Etiology and Prevention. Hoffman Dental Group. Fairfax VA. November 7, 2009
- Chou M. Frequency of TLR -2, -4, -9 and CD 14 Polymorphisms in African Americans with Aggressive Periodontitis. Virginia Commonwealth University Department of Periodontology: Master Thesis Defense. June 3, 2009
- Chou M, Maughan W, Gunsolley J.C., Schenkein H.A., Sahingur S.E. Toll Receptor Gene Polymorphisms in African-Americans with Periodontitis. Virginia Commonwealth University Department of Periodontics. International Association of Dental Research 2009 Poster Presentation. April 11 2009.
- Chou M. Periodontal Resective Surgery. Virginia Commonwealth University Department of Periodontics: Pre-doctoral Lecture. January 12, 2009.
- Chou M, Maughan W. The Black Triangle: An Esthetic Handicap. Virginia Commonwealth University Department of Periodontics: Interdisciplinary Seminar. August 11, 2008.
- Chou M. Nonsurgical vs. Surgical Periodontal Therapy. Virginia Commonwealth University Department of Periodontics. Grand Rounds. 2009
- Chou M. Antibiotics and Implant Therapy. Virginia Commonwealth University Department of

Periodontics. Grand Rounds. 2009

- Chou M. Implant Supported Overdentures. Virginia Commonwealth University Department of Periodontics. Grand Rounds. 2009
- Chou M. Osteotome Vs Lateral Window Sinus Augmentation Technique. Virginia Commonwealth University Department of Periodontics. Grand Rounds. 2009
- Chou M. Orthodontic Extrusion and Pre-Implant Therapy. Virginia Commonwealth University Department of Periodontics. Grand Rounds. 2009
- Chou M. Lateral Ridge Augmentation Using the Tenting Screw Technique. Virginia Commonwealth University Department of Periodontics. Grand Rounds. 2009
- Chou M. Immediate Implant Placement and Provisionalization. Virginia Commonwealth University Department of Periodontics. Grand Rounds. 2009
- Chou M. Management of Implant Complications. Virginia Commonwealth University Department of Periodontics. Grand Rounds. 2009
- Chou M. Frequency of TLR -2, -4, -9 and CD 14 Polymorphisms in African Americans with Aggressive Periodontitis. Virginia Commonwealth University Department of Periodontology. 2009

## **PROFESSIONAL AFFILIATIONS**

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- American Academy of Periodontology
- International Congress of Implantologists
- American Academy of Osseointegration
- American Academy of Implant Dentistry
- Maryland State Dental Association
- Frederick County Dental Society
- American Dental Association
- Virginia Society of Periodontists