

CURRICULUM VITAE: TIMOTHY O. HART, DDS MS

JANUARY, 2018

CONTACT INFORMATION

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PROFESSIONAL ACTIVITY

Timothy Hart, DDS MS, Implant Dentistry Consulting <i>Surgical Guide Design and Training</i> Denver, CO (Shorewood, WI 2014 - 2017)	2014 - present
TruMergence LLC, Co-Founder <i>Design and fabrication of implant surgical guides / medical model segmentation and fabrication</i> Denver, CO (Shorewood, WI 2014 - 2017)	2013 - present
Private Practice, Prosthodontics and Restorative Dentistry Shorewood, WI	1996 - 2017
Private Practice, Prosthodontics and Restorative Dentistry Kenosha and Racine, WI	1977 - 1996

FACULTY APPOINTMENTS

Adjunct Associate Professor, Marquette University School of Dentistry Department of Graduate Periodontics (Director of CT Guided Protocol Implementation and Training)	2016 - Present
Adjunct Associate Professor, Marquette University School of Dentistry (Undergraduate Clinic)	2012 - 2016
Clinical Adjunct Asst. Professor, Marquette University School of Dentistry (Undergraduate Clinic)	2002 - 2012
Clinical Adjunct Asst. Professor, Marquette University School of Dentistry (TMJ Clinic)	1988 - 1992
Clinical Adjunct Asst. Professor, Marquette University School of Dentistry (Sophomore Lab)	1980 - 1985

ADDITIONAL EXPERIENCE

Journal Referee, Statistics and Physics, <i>Journal of Prosthetic Dentistry</i>	1991, 1994
Beta Evaluator, Anatomage, Inc., Surgical Guide Design	2010 - 2012
Beta Evaluator, Formlabs, Inc., SLA Resins for Multiple Dental Applications (3D Printing)	2016 - present

LICENSURE

State of Wisconsin, Dentistry: 5001896-1	1977 - present
State of Colorado, Dentistry: DEN.00202750	2016 - present

## EDUCATION

Loyola University, Chicago, Illinois M.S., Oral Biology Thesis: "A Proposed Format for Mandibular Displacement Analysis Utilizing Transformation Matrices"	1981
Loyola University School of Dentistry, Maywood, Illinois Certificate in Prosthodontics	1980
Loyola University School of Dentistry, Maywood, Illinois D.D.S	1977
Carthage College, Kenosha, Wisconsin B.A., Biology	1973

## AWARDS

Milwaukee Magazine Top Dentists (consecutive, every issue in which poll / feature was produced)	2006 - 2017
M Magazine Top Dentists (consecutive, every issue in which poll / feature was produced)	2012 - 2017
OKU Honorary Dental Fraternity / Inducted as faculty	2009
Shorewood, Wisconsin Business of the Year (Community Involvement)	2008
Legislative Appreciation Award, Marquette University School of Dentistry	1991
Stanley Tylman National Research Award, American Academy of Fixed Prosthodontics	1981

## PUBLICATIONS (DENTAL)

<i>Interocclusal Registration Techniques</i> (coauthor) Chapter of <u>Tylman's Textbook of Fixed Prosthodontics</u>	1988
<i>Clinical Evaluation of the Accuracy of Interocclusal Recording Materials</i> (coauthor) Journal of Prosthetic Dentistry 51:152-157; February, 1984	1984
<i>A Proposed Format for Mandibular Displacement Analysis</i> Journal of Prosthetic Dentistry 50:54-61; July, 1983	1983
<i>Accuracy and Dimensional Stability of Four Interocclusal Recording Materials</i> Journal of Prosthetic Dentistry 45:586-591; June, 1981	1981

## PUBLICATIONS (NON-DENTAL)

<i>Scripting Language for Coding a Home Automation System</i> Electronic House Magazine 4	1983
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## ARTICLES PUBLISHED ON LINKEDIN

(Note: when viewing this document on an internet connected device, each title is a hyperlink, and clicking on it will open your browser and display the article)

<a href="#">Scan body for Hand-Held Scanning of a Denture for Surgical Guide Development</a>	2017
<a href="#">Scanning Appliances are so Yesterday. Meet the "Stack Merge"!</a>	2016
<a href="#">3D Printing for Pre-Surgical Fabrication of Implant Components &amp; Temporary Restorations</a>	2016
<a href="#">Using a Turntable to Improve your Images for Presentation, Web, and Patient Communication</a>	2016
<a href="#">Anodizing Titanium. Refined and Cost Effective</a>	2016
<a href="#">Disruptive Technology: This is why desktop 3D printing is so important</a>	2016

## PATENTS

U. S. Patent 61823168  
*Customizable Healing Abutment*  
 Utility Patent Pending

## MEMBERSHIPS

American Dental Association	1977 - present
Wisconsin Dental Association <i>Legislative Committee 1992-96</i> <i>Trustee, Board of Directors 1995-96</i>	1977 - 2017
Racine County Dental Society <i>President and Vice President</i>	1977 - 1996
Greater Milwaukee Dental Association	1996 - 2017
American College of Prosthodontics	2004 - present
American Academy of Cosmetic Dentistry	2004 - 2009
The Dental Forum of Milwaukee Seattle Study Club, Milwaukee <i>Founder / Co-Director</i>	2006 - present 2011 - 2017
Colorado Dental Association	2017 - present

## GERMANE PROFICIENCIES

CAD / Surgical Guide and Medical Model Segmentation:

- *coDiagnostix*
- *Anatomege*
- *NobelGuide / NobelClinician*
- *Simplant*
- *BlueSkyBio*

CAD / Restorative Design:

- *Procera (abutment and implant bar)*
- *DWOS (Dental Wings)*

CAD / Parametric:

- *OpenScad*

Miscellaneous:

- *Microscope utilization in restorative dentistry and prosthodontics.*  
*(Applicant performs majority of procedures utilizing operating microscope)*

## LECTURES AND CONTINUING EDUCATION PRESENTATIONS

## SCHEDULED:

*Desktop 3D Printing Applications in the Dental Office (tentative title)* 2019  
Chicago Dental Society Midwinter Meeting  
Chicago, IL, 2/23/2019: 3.5 hours x 2

*3D Acquisition, Design, and Production* 2018  
co-Presentation with Dr. Michael Scherer, Sonoma, CA  
Milwaukee Dental Forum  
Milwaukee, WI, 4/13/2018, 1.5 hours

## PRESENTED:

Applications of Desktop 3D Printing in the Dental Laboratory 2018  
Sponsored by Formlabs  
Chicago, IL, 02/24/2018, 2.0 hours

Workflow for CT Guided Surgery 2018  
Sponsored by Dentsply / Simplant  
Milwaukee, WI, 02/04/2018, 3.0 hours

*Desktop Printing: Surgical Guides and Beyond* 2017  
LMT East, Sponsored Presentation (Formlabs)  
Atlantic City, NJ, 9/16,2017, 2.5 hours

*Additive Digital Production in the Dental Office* 2017  
Ozaukee County Dental Society  
Mequon, WI, 9/19/2017, 45 minutes

*CT Guided Surgery for Daily Use* 2017  
Sponsored Presentation (Straumann)  
Edmonton, AB, 2.5 hours

*Workflow for CoDiagnostix and Local Desktop 3D Printing* 2017  
Sponsored Presentation (Straumann)  
Minneapolis, MN, 2.5 hours

*Applying Desktop SLA Technology in Your Lab* 2017  
Sponsored Presentation (Formlabs)  
LMT Chicago, Chicago, IL, 2.0 hours

*Workflow for CoDiagnostix, Synergy Connection and Local Desktop 3D Printing* 2017  
Sponsored Presentation (Dental Wings)  
LMT Chicago, Chicago, IL, 2.5 hours

*Digital Dentistry & Printing Symposium for Dentistry* 2017  
*2 Lectures and 3 Workshops over 2 Days*  
Yankee Dental Congress  
Boston MA, 2 x 3 hours (lectures), 4 x 3.5 hours (workshops)

*Overview of CT Guided Systems* 2016  
Lake County Dental Society  
McHenry, IL, 1.0 hours

*Core Concepts of 3D Dentistry, 3D Printing, and CT Derived Surgical Planning* 2016  
Marquette University Department of Graduate Periodontics  
Milwaukee, WI, 4 lectures, 1 hour each

<i>Computer Assisted Surgical Guide Workflow</i> Sponsored Presentation (Formlabs) LMT East, Atlantic City, NJ, 2.5 hours	2016
<i>3D Dentistry / 3D Printing / CT Assisted Implant Placement</i> Sponsored Presentation (Straumann, D&S Laboratory, 3M) Wisconsin Dells, WI, 3.5 hours	2016
<i>CT Guided Surgery for Daily Use</i> Sponsored Presentation (Straumann) Calgary Oral Surgery Society Calgary, AB, 2.5 hours	2016
<i>Case Setup and Surgical Design Basics for CT Guided Workflow</i> Medical College of Wisconsin, Oral Surgery Residency Program Milwaukee, WI, 1.5 hours	2016
<i>Synchronization of Surgical Design with Pre-Surgical Restorative Design</i> LMT Chicago Annual Meeting Chicago, IL, 2 hours	2016
<i>Implant FAQ: Answers to Questions in Implant Dentistry</i> Fox Valley Dental Association Appleton, WI, 2 hours	2015
<i>The Coming Revolution: Mergence of 3D Planning with 3D Printing</i> Seattle Study Club Milwaukee, WI, 2 hours	2015
<i>A White Paper on the Future of Additive Fabrication ("3D Printing") in Dentistry</i> The Dental Forum Milwaukee, WI, 2 hours	2014
<i>Practical Computer Guided Implant Surgery</i> Washington State Prosthodontic Society Seattle, WA, 3 hours	2014
<i>Current Role and Future Applications of Additive Fabrication in Dentistry</i> <i>SLA Surgical Guides, Laser Sintering, and Polyjet / 3D Printing</i> Outagamie Dental Society Appleton, WI, 3 hours	2013
<i>Computer Assisted vs. Computer Guided Implant Surgery</i> Sheboygan Dental Society Sheboygan, WI, 1½ hours	2012
<i>Comparison of Computer Guided Surgical Systems</i> Marquette University Graduate Prosthodontics Depart Milwaukee, WI, 3 hours	2012
<i>Computer Assisted vs. Computer Guided Implant Surgery</i> Anatomage Users Group Annual Meeting San Francisco, CA, 1½ hours	2012
<i>Computer Guided Approach for Fabrication of Pilot Drill Templates</i> The Dental Forum Milwaukee, WI, 1½ hours	2012
<i>Implant Impression Techniques, Custom Abutment Design, Surgical Guide Fabrication</i> 3 – Lecture series, Undergraduate Dental Curriculum	2008 - 2013

Marquette University School of Dentistry Milwaukee, WI, 3 hours	
<i>Proposed Design Protocol for Custom Milled Healing Abutments</i> University of Wisconsin Engineering Department Milwaukee, WI, 1 hour	2011
<i>Implementation of Computer Guided Pilot Drill Templates in the Undergraduate Curriculum</i> CE Course, Part-Time Faculty Marquette University School of Dentistry Milwaukee, WI, 3 hours	2011
<i>Application of Anatomage Surgical CAD-CAM System in Clinical Practice</i> Anatomage Users Group Annual Meeting San Francisco, CA, 1½ hours	2011
<i>Comparison and Application of Computer Guided Implant Systems</i> CE Course Marquette University School of Dentistry Department of Continuing Education Milwaukee, WI, 3½ hours	2010
<i>NobelGuide System</i> Surgical Design Training CE Course, on Behalf of NobelBiocare Waukesha, WI, 6 hours	2010
<i>Cone Beam CT (CBCT) Imaging: Applications in Dental Practice</i> Joint CE Course with Dr. Lisa Koenig Dental Radiologist Marquette University School of Dentistry Department of Continuing Education Milwaukee, WI, 1½ hours	2009
<i>CAD-CAM Custom Abutments – The New Standard in Implant Prosthetics and Aesthetics</i> Winnebago Dental Society Oshkosh, WI, 2 hours	2009
<i>Prosthodontic Symposium 2009: Current Concepts in Implant Dentistry</i> All-day course / 1 of 6 speakers Marquette University School of Dentistry CE / Marquette University Alumni Association Milwaukee, WI, 1 hour	2009
<i>Abutment Design: Custom vs. Stock</i> Wisconsin Dental Association Annual Session Prosthodontic Symposium Wisconsin Dells, WI, 1 hour	2009
<i>Overview of CT Guided Surgery, Abutment Design, and Overdenture Techniques</i> Janesville, WI, 3 hours	2008
<i>Custom Abutment Considerations and Choices</i> The Dental Forum Milwaukee, WI, 1 hour	2008
<i>Model Based and CT Based Surgical Templates</i> Sheboygan, WI, 2 hours	2007
<i>NobelGuide: Hands-On Course</i> Surgical Design Training CE Course, on Behalf of NobelBiocare Waukesha, WI, 8 hours	2007
<i>Model Based Surgical Guide Technique</i> WDA Annual Session Prosthodontic Symposium, Wisconsin Dells, WI, 1 hour	2006
<i>Comparison of Model Based and CT Based Surgical Guides</i>	2006

Minneapolis, MN, 3 hours

*The Emergency Implant: Rapid Stent Fabrication and Immediate Loading*  
Fond du Lac, WI, 2 hours

2005

Pre- 2005: Lectures (19) and Table Clinics (18): *Subjects include Implant Dentistry, Inter-occlusal Records, Articulation, TMD, Web Design, and Digital Photography.*

1979-  
2004

List available upon request.

Illinois, Washington, and Wisconsin