



## Dr. Leon Chen, DMD, MS, DICOI

- Co-founder of the Dental Implant Institute
- Graduate of Harvard University, School of Dental Medicine
- Graduate of Northwestern University –  
M.S. Periodontics Specialist
- Fellow and Diplomate of ICOI
- Fellow and Diplomate of ADIA

For the past 20 years, Dr. Leon Chen has been known as the inventor of Hydraulic Sinus Condensing (HSC) Technique, a minimally invasive sinus lift technique recognized as a gold standard. In 1996, he was the first dentist who invented a drill that can reach the sinus cavity. He was the first clinician to utilize EMD for root coverage and sinus lift. Chen also developed the flapless sinus, 5-in-1 immediate loading technique, vertical augmentation without block, and the most difficult task "lingual augmentation." Now he is developing a procedure and instrumentation that will revolutionize complicated implant cases into simplified cases, called the Hydraulic Membrane Lift (HML) with navigation. Dr. Chen is a founder of Dental Implant Institute World, known as a top facility in both implant treatment and education throughout the world. A Harvard dental graduate and Northwestern periodontist, Dr. Chen is now a visiting faculty member at the University of Pennsylvania. A consultant to numerous implant and publishing companies, Dr. Chen holds more than 30 patents and trademarks for surgical instruments, bone, implant navigation software, and implant prosthodontic parts and fixtures.

UNIVERSITY OF PENNSYLVANIA - SCHOOL OF DENTAL MEDICINE  
Curriculum Vitae

Date: September 1st, 2010

Leon Chen, DMD, MS, DICOI

Office Address: Dental Implant Institute  
6170 W. Desert Inn,  
Las Vegas, NV 89146

Education: 1993-95 M.S., Periodontics - Northwestern University Dental School, IL  
1992-93 Research Program at Forsyth Dental Institute, MA  
1988-93 D.M.D - Harvard University School of Dental  
Medicine, MA  
1985-88 University of Michigan, MI

Postgraduate Training and Fellowship Appointments:

2007 The Role of Inflammation in Periodontal and Systemic Diseases  
2007 Innovations in Periodontics, Session 2  
2007 Variations in Gingival Graft  
2006 Operations and Usage of CAT Scan Imaging  
2005 ICOI Implant Prosthodontics Attendee  
2003 Europerio 4 Conference, Berlin  
2001 Master Clinician Retreat III  
2000 Biora Extra-Cellular Modulation of Tissue and Regeneration Course  
1998 Concepts in Periodontics Course  
1998 Utilization and Science of Emogain  
1998 Category II Dental Laser Course, Academy of Laser Dentistry  
1994-96 Graduate Research at American Dental Association Toxicology  
Department, IL

Hospital and Administrative:

1995 Northwestern University Residency

Specialty Certifications:

1995 Periodontics Specialty - Northwestern University Dental School, IL

Licensure:

California, Nevada, Illinois, North East Regional Boards

### Awards, Honors, and Membership in Honorary Societies:

2010 - Co-founder of the Asia region of the American Dental Implant Association  
2009 - Selected as one of the top influential person in Asia  
2009 - American Academy of Periodontology lecturer in sinus repair  
2008 - Taiwan National Award given by President Ma of Taiwan  
2007 - Taiwan Government Model of Taiwan Entrepreneurs Award  
2005 - Voted Summerlin's Best Dentist, Summerlin Magazine  
2005 - Asian Pacific Professional Services Award  
2004 - Rear Admiral Kevin F. Delaney "Keeping America Strong"  
2003 - Star of Taiwan Award  
2003 - Consumer Review Periodontist and Implantologist of the Year  
2002 - Las Vegas Life Top Dentist  
2002 - Asia Pacific Festival and Trade-show Professional Services Award  
2001 - Consumer Review Periodontists of the Year  
2001 - US Senatorial Certificate of Commendation  
2001 - Congressional District Business Person of the Year  
2001 - Asian Chamber Business Person of the Year  
2000 - Business Advisory Council, Honorary Co-Chairman  
2000 - Asian Chamber Business Person of the Year

### Memberships in Professional and Scientific Societies:

2003 - Present - Diplomate - International Congress of Oral Implantologists  
2003 - Present - Fellow - International Congress of Oral Implantologists  
2003 - Present - Member - American Academy of Anti-Aging Medicine  
2002 - Present - Member - American College of Oral Implantology  
2002 - Present - Member - American Academy of Implant Dentistry  
2002 - Present - Member - Implant Prosthodontics Section of the ICOI  
2002 - Present - Member - International Congress of Oral Implantologists  
1993 - Present - Member - American Academy of Periodontology

### Editorial Positions:

2005 - Editor - International Magazine of Oral Implantology

### Lectures by Invitation:

October 9th and 10th, 2010 - "Implant Complication Management" - Masters Series  
2010, Miami, FL

September 11th to 13th, 2009 - Hydraulic Membrane Lift (HML) - AAP  
Meeting in Boston

July 24th and 25th, 2009 - "Implant Complication Management" - Masters Series  
2009, Miami, FL

January 6th, 2009 - Invited to become board certified in Dubai

October 28th, 2008 - ICM (Implant Complication Management) - 12th Chinese International Exhibition and Symposium on Dental Equipment, Technology, and Products in Shanghai, China

September 13th, 2008 - Main keynote speaker at the 38th Annual Meeting of the Japanese Society of Oral Implantologists

August 8th and 9th, 2008 - Vertical Translation Technique, Ridge Augmentation and Implant Complication Management - Florida Association of Periodontists

June 20th, 2008 - ICM (Implant Complication Management) and using 5-in-1 in complicated cases.

October 26th and 27th, 2007 - "Implant Complication Management" - Masters Series 2007, Miami, FL

June 10th, 2007 - "Hydraulic Sinus Condensing" - 9th International Symposium on Periodontics and Restorative Dentistry, Boston, MA

January 1st, 2007 - "Hands-on Course of Hydraulic Sinus Condensing", "Sinus Bone Grafting: Past, Present and Future" - 2007 Korean Association of Maxillofacial, Plastic, and Reconstructive Surgeons, Korea

October 20th, 2006 - Moderator - ICOI World Congress, Las Vegas, NV

August 17th, 2006 - "Implant Complication Management" - 9th Annual Implant and Prosthodontic Symposium, Montreal, Canada

May 4th, 2006 - "The Hydraulic Sinus Condensing Technique: Rationale, Technique and Results" - Biohorizon's Global Symposium, Scottsdale, AZ

March 11-12th, 2006 - "Hydraulic Sinus Augmentation" - 1st Congress of ICOI-KSOI Korea - Daegu, Korea

September 26th, 2005 - "Sinus Elevation: A Comparison of The Techniques" - 9th Annual AAP, Denver, CO

August 19th, 2005 - "Hydraulic Sinus Condensing" - 8th Annual Implant Prosthodontics Symposium

April 23rd, 2005 - "Destination Regeneration - Simplified Bone Grafting" - 11th Annual International Friadent Symposium, Dresden, Germany

April 14th, 2005 - "The Hydraulic Sinus Condensing Technique: Rationale, Technique and Results" - Biohorizons International Symposium, Bal Harbour, Florida

April 9th, 2005 - "HSC, VTT, and Immediate Implants" - Clinical Implant Society of Japan, Tokyo, Japan

January 13th, 2005 - "Hydraulic Sinus Condensing" - ICOI Winter Symposium, Miami, FL

October 18th, 2004 - "Hydraulic Sinus Condensing" - Beverly Hills Academy of Dentistry, Beverly Hills, CA

July 25th, 2003 - Surgeons Forum Panel Member - Biohorizons/Lifecell Forum, San Diego, CA

June 20th, 2003 - "The Replacement of Bone -- Techniques, Components, Mechanism, and Clinical outcome", Europerio 4, Berlin, Germany

February 27th, 2003 - "Hydraulic Sinus Lift with Sinus Condensers" - 18th Annual Academy of Osseointegration, Boston, MA

January 17th, 2002 - "The New Standard of Care: A Dental Implant for Every Edentulous Site" - International Periodontal Symposium 2003, Los Angeles, CA

September 24th, 2002 - "Hydraulic Sinus Lift with Sinus Condensers" - American Academy of Periodontology Annual Meeting - New Orleans, LA

October 7th, 2001 - "Root Coverage Technique Using Enamel Matrix Derivatives" - American Academy of Periodontology

November 17th, 2001 - "Implant Design in the Modern World" - 2001 LVI, Las Vegas, NV

September 18, 2000 - "Root Coverage with an Enamel Matrix Protein Derivative - A Report of 38 Cases" - American Academy of Periodontology Annual Meeting, Honolulu, HI

September 19, 2000 - "Atraumatic Sinus Lifting" - American Academy of Periodontology Annual Meeting, Honolulu, HI

October 23rd-24th, 1999, December 4-5th, 1999, January 15-16, 2000, February 19th-20th, 2000, April 15-16th, 2000, May 20-21, 2000 - "Periodontal Surgery for the Oral and Maxillofacial Surgeon", "Periodontal Surgery for the Oral and Maxillofacial Surgeon" - Phoenix Education Seminars, Phoenix, AZ

## Organizing Roles in Scientific Meetings:

2005-08 - Moderator, Host and Organizer - Golden Week of Implantology

2004-06 - Moderator, Host and Organizer - Dental Implant Institute Annual Symposium

## Bibliography:

### Research Publications, peer reviewed

Chen, L.: "Implant Planning: Using Digital Radiography to Simplify Sinus Augmentation", Dental Products Report, 2007

Wong, D., Chen, L., Cha, J.: A Review of the Vertical Translation Technique for the Successful Treatment of Recession: Clinical Applications. 3-8, Continuing Esthetics, 2006

Chen, L., Cha, J.: An 8-year retrospective study: 1,100 patients receiving 1,557 implants using the minimally invasive hydraulic sinus condensing technique. Journal of Periodontology 76(3):482-91, 2005

Chen, L.: A Three Point Translation Technique for Root Coverage With 4-Year Follow-up, Dentistry Today, 21(10):112-115, 2002

Chen, L., Cha, J., Guiha, R., Bouwsma, J.: Root Coverage with Enamel Matrix Derivatives. Compendium, 23(9):797-802, 2002

Shen, E., Chen, L., Sfeir, C., Gargiulo A.: Treatment of Intrabony Defects by Polylactic Acid Matrix Barrier - A One-Year Follow-Up Study, Periodontal Clinical Investigations, 19(2) 21-22, 1997

### Research Publications, non peer-reviewed:

Chen, L.: "Hydraulic Sinus Lift with Sinus Condensers", Dental Implantology Update, 14(3), 2003

Chen, L.: "Diverse Patients, Consistent Results: Three Emdogain Case Reports", Biora Report, 2001

### Alternative Media:

2007-Present - Host, Creator, and Moderator of the Dental Implant Institute Web Implant Forum