

ICOI Winter Implant Symposium
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Scientific References/Citations

YOUNG IMPLANTOLOGISTS:

Dr. Greg Caldwell - *How to Implement Intraoral Scanning, Digital Implant Treatment Planning, and 3D Printed Surgical Guide Fabrication In Your Surgical Practice*

- Tan, Philip L.B., Layton, Danielle M. and Wise, Susan L. (2018). In vitro comparison of guided versus freehand implant placement: Use of a new combined TRIOS surface scanning, Implant Studio, CBCT, and stereolithographic virtually planned and guided technique In-vitro-Vergleich zwischen geführter und freihändiger Implantation: Verwendung einer aus Oberflächenscan, Implantatplanungssoftware, DVT und Stereolithografie kombinierten virtuellen Planungs- und Führungstechnik. International Journal of Computerized Dentistry 21 (2) 87-95. Provide a protocol for implant surgical guide design and fabrication of 3D printed surgical guides for dentate and edentulous cases
- Deeb, George R. et al. How Accurate Are Implant Surgical Guides Produced With Desktop Stereolithographic 3-Dimensional Printers? Journal of Oral and Maxillofacial Surgery, Volume 75, Issue 12, 2559.e1 - 2559.e8.
- Bencharit, Sompop et al. In Vivo Tooth-Supported Implant Surgical Guides Fabricated With Desktop Stereolithographic Printers: Fully Guided Surgery Is More Accurate Than Partially Guided Surgery. Journal of Oral and Maxillofacial Surgery , Volume 76 , Issue 7 , 1431-1439.
- Seo C, Juodzbalys G. Accuracy of Guided Surgery via Stereolithographic Mucosa-Supported Surgical Guide in Implant Surgery for Edentulous Patient: a Systematic Review. J Oral Maxillofac Res. 2018;9(1):e1. Published 2018 Mar 31.

Dr. Mohamed Elghannam - *Immediate Implant Placement*

- Robert A. Levine, Je rey Ganeles, Luiz Gonzaga, Joseph Y. Kan, Harry Randel, Chris D. Evans and Stephen T. Chen , 10 keys for Successful Esthetic-zone Single Immediate Implants, Compendium, V(38) ,No 4,2017.
- Joseph Y. K. Kan, Phillip Roe, Kitichai Rungcharassaeng and et al, Classification of sagittal root position in Relation to Anterior Maxillary Osseous Housing for Immediate Implant Placement A Cone Beam Computed Tomography Study, The International Journal of Oral & Maxillofacial Implants, volume 26, number4, 2011.
- Huynh.Ba G, Pjetursson BE, Sanz M, Cecchinato D, Ferrus J, Lindhe J, Lang NP. Analysis of the socket bone wall dimensions in the maxilla in relation to immediate implant placement, Clin Oral Impl Res. 21,2010;37-42.

- Lyndon F. Cooper, Filiep Raes, et al , Comparison of Radiographic and Clinical Outcomes following Immediate provisionalization of Single Tooth Dental Implants Placed in Healed Alveolar Ridges and Extraction Sockets, *Int Oral Maxillofac Implants* 25,2010; 1222-1232.

Dr. Christopher Resnik - *Techniques in Evaluating the Stability of Dental Implants*

- Meredith N, Alleyne D, Cawley P (1996). Quantitative determination of the stability of the implant-tissue interface using resonance frequency analysis. *Clinical Oral Implants Research*. 7(3):261-7
- Baltayan S, Pi-Anfruns J, Aghaloo T, Moy PK (2016). The predictive value of resonance frequency analysis measurements in the surgical placement and loading of endosseous implants. 74(6):1145-52

Dr. Giuseppe Grasso - *Minimally Invasive Surgery in Implant Dentistry: Is it an Important Key to Achieve an Aesthetic Result?*

- W. Becker et al. Histologic evaluation of implants following flapless and flapped surgery: a study in canines. *J Periodontol* 2006;77: 1717-1722
- Esposito et Al. Soft tissue management for dental implants: what are the most effective techniques? A Cochrane systematic review. *Eur J Oral Implantol* 2012;5(3):221–238
- C. Tomasi et al. Bone dimensional variations at implants placed in fresh extraction sockets: A multilevel multivariate analysis. *Clin Oral Implants Res*. 2010 Jan;21(1):30-6.
- P. Jesch et al. An up to 17-year follow-up retrospective analysis of minimally invasive, flapless approach: 18945 implants in 7783 patients. *Clinical Implant Dentistry and Related Research*, 2018; 20: 393-402.

Dr. Inés Fernández Guallart - *Various Factors Influencing Successful Maxillary Sinus Augmentation*

- Stacchi C, Andolsek F, Berton F, Perinetti G, Navarra CO, Di Lenarda. Intraoperative Complications During Sinus Floor Elevation with Lateral Approach: A Systematic Review. *Int J Oral Maxillofac Implants*. 2017 32:107-118.
- Insua A, Monje A, Urban I, Kruger LG, Garaicoa-Pazmiño C, Sugai JV, Wang HL. The Sinus Membrane-Maxillary Lateral Wall Complex: Histologic Description and Clinical Implications for Maxillary Sinus Floor Elevation. *Int J Periodontics Restorative Dent*. 2017;37(6):e328-e336
- Zimmo N, Insua A, Sinjab K, Chan HL, Shaikh L, Wang HL. Impact of Sex, Age, and Season on Sinus Membrane Thickness. *Int J Oral Maxillofac Implants*. 2018;33(1):175–180
- Boreak N, Maketone P, Mourlaas J, Wang WCW, Yu PYC. Decision Tree to Minimize Intra-operative Complications during Maxillary Sinus Augmentation Procedures. *J Oral Biol*. 2018; 5(1): 8

Dr. Amanda Sheehan - *The Use of Neurotoxins in Implant Dentistry*

- Kim, Hun Jeong, et al. "Effects of botulinum toxin type A on bilateral masseteric hypertrophy evaluated with computed tomographic measurement" *Dermatologic surgery* 29.5(2003): 484-489.
- *Illustrated Anatomy of the Head and Neck*, Fehrenbach and Herring, Elsevier, 2012, .97
- von Lindern JJ, Niederhagen B, Apple T. Type A botulinum toxin for the treatment of hypertrophy of the masseter and temporal muscles: an alternative treatment. *Plast Reconstr Surg* 2001; 107:327e32
- Hu KS, Kim ST, Hur MS, et al. Topography of the masseter muscle in relation to treatment with botulinum toxin type A. *Oral Surg Oral Med Pathol Oral Radiol Endod* 2010; 110:167e71

Dr. Ana Lopes - *Surgical All-on-4 Protocol - Standard and Hybrid*

- Malo P, de Araujo Nobre M, Lopes A, Moss SM, Molina GJ. A longitudinal study of the survival of All-on 4 implants in the mandible with up to 10 years of follow-up. *J Am Dent Assoc* 2011 Mar; 142(3):310-20.
- Malo P, de Araujo Nobre M, Lopes A, Francischone C, Rigolizzo M. "All-on-4" Immediate-Function Concept for Completely Edentulous Maxillae: A Clinical Report on the medium (3 years) and Long-term (5 years) outcomes. *Clinical Implant Dentistry and Related Research*, 2011, 14 Suppl 1: E 139-50
- Malo P, de Araujo Nobre M, Lopes A. The rehabilitation of completely edentulous maxillae with different degrees of resorption with four or more immediately loaded implants: a 5-year retrospective study and a new classification. *Eur J Oral Implantol* 2011; 4(3): 227-243.
- Malo P, de Araujo Nobre M, Lopes A, Ferro A, Moss S. Extramaxillary Surgical Technique: Clinical Outcome of 352 Patients Rehabilitated with 747 Zygomatic Implants with a follow up between 6 months and 7 years. *Clin Implant Dent Relat Res* 2013 Sep 4

Dr. Stuti Muchhala - *New Customized Ridge Split Technique for Anterior Esthetic Area*

- Charyeva O, Altynbekov K, Zhartybaev R, Sabdanaliev A. Long-term dental implant success and survival -a clinical study after an observation period up to 6 years. *Swedish dental journal* 2012;36(1):1-6.
- Aghaloo TL, Moy PK. Which hard tissue augmentation techniques are the most successful in furnishing bony support for implant placement? *International Journal of Oral & Maxillofacial Implants*. 2007 Nov 2;22(7)
- Chiapasco M, Casentini P, Zaniboni M. Bone augmentation procedures in implant dentistry. *Int J Oral Maxillofac Implants* 2009 Oct 2;24(Suppl):237-59.
- Calvo JG, Pardo GZ, Saez MY. Ridge splitting technique in atrophic anterior maxilla with immediate implants, bone regeneration and immediate temporization: a case report. *Journal of the Irish Dental Association*. 2007;53(4):187-90.

MAIN PODIUM:

Dr. Randolph Resnik - *The Treatment of the Posterior Maxilla: Short Implants vs. Crestal Bone Grafting vs. Lateral Protocols*

- Goodacre, C. J., Bernal, G., Rungcharassaeng, K., & Kan, J. Y. (2003). Clinical complications with implants and implant prostheses. *The Journal of prosthetic dentistry*, 90(2), 121-132.
- Carlsson, B., & Carlsson, G. E. (1994). Prosthodontic complications in osseointegrated dental implant treatment. *International Journal of Oral & Maxillofacial Implants*, 9(1).
- Schwarz, M. S. (2000). Mechanical complications of dental implants. *Clinical Oral Implants Research: Chapter 10, 11*, 156-158.
- Jemt, T. (1991). Failures and complications in 391 consecutively inserted fixed prostheses supported by Brånemark implants in edentulous jaws: a study of treatment from the time of prosthesis placement to the first annual checkup. *International Journal of Oral & Maxillofacial Implants*, 6(3).

Dr. Stephen Caldwell - *Incorporation of CBCT/Digital Imaging into Advanced Implant/Restorative Treatment Planning and Surgical Execution*

- Caldwell, G.R., Mealy, B. L., A Prospective Study: Alveolar Ridge Augmentation using Tenting Screws, Acellular Dermal Matrix and Combination Particulate Grafts. *International Journal of Periodontics and Restorative Dentistry*. Vol. 2015
- Urban IA, Nagursky H, Lozada JL, Nagy K. Horizontal ridge augmentation with a collagen membrane and a combination of particulated autogenous bone and anorganic bovine bone-derived mineral: a prospective case series in 25 patients. *The International Journal of Periodontics & Restorative Dentistry* 33:299-307, 2013.
- Bencharit, Sompop et al. In Vivo Tooth-Supported Implant Surgical Guides Fabricated With Desktop Stereolithographic Printers: Fully Guided Surgery Is More Accurate Than Partially Guided Surgery. *Journal of Oral and Maxillofacial Surgery*, Volume 76, Issue 7, 1431 – 1439
- Tan, Philip L.B., Layton, Danielle M. and Wise, Susan L. (2018). In vitro comparison of guided versus freehand implant placement: Use of a new combined TRIOS surface scanning, Implant Studio, CBCT, and stereolithographic virtually planned and guided technique In-vitro-Vergleich zwischen geführter und freihändiger Implantation: Verwendung einer aus Oberflächenscan, Implantatplanungssoftware, DVT und Stereolithografie kombinierten virtuellen Planungs- und Führungstechnik. *International Journal of Computerized Dentistry* 21 (2) 87-95.

Dr. John Conness - *Stackable Surgical and Prosthetic Guides: A New Protocol for Fully Guided, Immediate Load Full-Arch Dental Implant Reconstruction*

- Szmukler-Moncler, S., Piattelli, A., Favero, G. A., & Dubruille, J. H. (2000). Considerations preliminary to the application of early and immediate loading protocols in dental implantology. *Clinical oral implants research*, 11(1), 12-25.

- Morton, D., Jaffin, R., & Weber, H. P. (2004). Immediate restoration and loading of dental implants: clinical considerations and protocols. *International Journal of Oral & Maxillofacial Implants*, 19(7).
- Gallucci, G. O., Morton, D., & Weber, H. P. (2009). Loading protocols for dental implants in edentulous patients. *International Journal of Oral & Maxillofacial Implants*, 24.

Dr. Alejandro Sosa – *Digital Smile Planning - Its Role in Treatment Planning and Implant Placement*

- Facially generated and cephalometric guided 3D digital design for complete mouth implant rehabilitation: A clinical report Coachman, Christian et al. *Journal of Prosthetic Dentistry*, Volume 117 , Issue 5 , 577 - 586
- The Dual-Zone Therapeutic Concept of Managing Immediate Implant Placement and Provisional Restoration in Anterior Extraction Sockets Stephen J. Chu, DMD, MSD, CDT, Maurice A. Salama, DMD, Henry Salama, DMD, David A. Garber, DDS, BDS, Hanae Saito, DDS, MS, Guido O. Sarnachiaro, DDS, Dennis P. Tarnow, DDS pp 524-534 *Compendium of Continuing Education in Dentistry*, Jul/Aug 2012, Volume 33, Issue 7
- Coachman, C & Calamita, Marcelo. (2012). Digital Smile Design: A Tool for Treatment Planning and Communication in Esthetic Dentistry. *QDT 2012 Quintessence*. 35. 1-9.
- Spear FM, Kokich VG, Mathews DP. Interdisciplinary management of dental esthetics. *J Am Dent Assoc*. 2006;137:160-169.

Dr. Michael Pruett - *Implant Placement and Provisionalization: The New Trends*

- Effects of Connective Tissue Grafting on the Facial Gingival Level Following Single Immediate Placement and Provisionalization in the Esthetic Zone: A 1-Year Randomized Controlled Prospective Study. Source: *International Journal of Oral & Maxillofacial Implants*. 2014, Vol 29 Issue 2, p.432-440 9p Yoshino, Shuki; Kan, Joseph Y.K.; Rungcharassaeng, Kitichai; Roe, Phillip; Lozada, Jaime L.
- Immediate Provisionalization on a New Implant Design for Esthetic Restoration and Preserving Crestal Bone *Implant Dentistry*. Issue: Volume 16(2), June 2007, pp 155-164. Guiardo, Jose Luis Calvo DDS, PhD; Yugero, Maria Rosario Saez DDS, PhD, Zamora, Guillermo Pardo DDS, PhD, Barrio, Emilio Munoz DDS, PhD[S]
- Single-tooth Replacement in the Anterior Maxilla by Means of Immediate Implantation and Provisionalization: A Review. Source: *International Journal of Oral & Maxillofacial Implants* 2008, Vol 23, Issue 5, p897-904. de Rouk, Tim, Collys, Kristiaan, Cosyn, Jan
- Mazor, Z, Horowitz, R.A., Del Corso, M., Prasad, H.S., Rohrer, M.D. and Dohan Ehrenfest, D.M. (2009), Sinus Floor Augmentation with Simultaneous Implant Placement Using Choukroun's Platelet Rich Fibrin as the Sole Grafting Material: A Radiologic and Histologic Study at 6 months. *Journal of Periodontology*, 80:2056-2064.

Dr. Aldo Leopardi - *Aesthetic Zone Clinical Realities: Regenerative Approaches versus Prosthetic Equivalents*

- Mohanty R, Kumar NN, Ravindran C. J Clin Diagn Res. 2015 Dec;9(12):43-6.
- Martin WC, Pollini A, Morton D. Int J Oral Maxillofac Implants. 2014;29 Suppl:142-54
- Fickl S. Quintessence Int. 2015 Sep;46(8):671-6
- Coachman C, et. al. Int J Periodontics Restorative Dent. 2009 Oct;29(5):471-7. 2009 Dec;29(6):573-81. 2010 Feb;30(1):19-29
- Urban IA, Montero E, Monje A, Sanz-Sanchez I. J Clin Periodontol. 2019 Jan 22.

Dr. David Donatelli - *Avoiding Prosthetic Complications with Full-Arch Immediate-Load Prostheses*

- Maló, P., Rangert, B., & Nobre, M. (2005). All-on-4 immediate-function concept with Brånemark System® implants for completely edentulous maxillae: a 1-year retrospective clinical study. *Clinical implant dentistry and related research*, 7, s88-s94.
- Calandriello, R., & Tomatis, M. (2005). Simplified treatment of the atrophic posterior maxilla via immediate/early function and tilted implants: a prospective 1-year clinical study. *Clinical implant dentistry and related research*, 7, s1-s12.
- Testori, T., Del Fabbro, M., Capelli, M., Zuffetti, F., Francetti, L., & Weinstein, R. L. (2008). Immediate occlusal loading and tilted implants for the rehabilitation of the atrophic edentulous maxilla: 1-year interim results of a multicenter prospective study. *Clinical oral implants research*, 19(3), 227-232.

Dr. Joseph Cillo, Jr. - *Influence of Novel Systemic Medications on Osseointegration*

- Ouanounou A, Hassanpour S, Glogauer M. The Influence of Systemic Medications on Osseointegration Of Dental Implants. J Can Dent Assoc. 2016 Apr;82:g7.
- Vohra F, Al-Rifaiy MQ, Almas K, Javed F. Efficacy of systemic bisphosphonate delivery on osseointegration of implants under osteoporotic conditions: lessons from animal studies. Arch Oral Biol. 2014 Sep;59(9):912-20. doi:10.1016/j.archoralbio.2014.05.016.
- Apostu D, et al. Systemic drugs that influence titanium implant osseointegration. Drug Metab Rev. 2017 Feb;49(1):92-104. doi:10.1080/03602532.2016.1277737.

Dr. Ady Palti - *Implementing Digital Solutions in Implant Dentistry*

- Clinical Fitting and Adjustment Time for Implant-Supported Crowns Comparing Digital and Conventional Workflows Tim Joda, Dr. MSc; Joannis Katsoulis, Dr. MAS; Urs Bragger, Prof. Dr.-Wiley Publications 2015
- Accuracy of a Digital Impression System Based on Parallel Confocal Laser Technology for Implants with Consideration of Operator Experience and Implant Angulation and Depth Beatriz Gimenez, DDS/ Mutlu Ozcan, DDS, Dr. Med Dent, PhD/ Francisco Martinez-Rus, DDS, PhD/ Guillermo Pradies, DDS, PhD-The International Journal of Oral & Maxillofacial Implants 2014
- Digital Technology in Fixed Implant Prosthodontics-Article Periodontology 2000-February 2017

Dr. Cyndi Nguyen - *The Prevention and Management of Nerve and Arterial Injuries in Implant Dentistry*

- Life-threatening hemorrhage from placement of a dental implant ME Mason, RG Triplett, WF Alfonso - ... of oral and maxillofacial surgery, 1990 – Elsevier
- Assessment of the blood supply to the mental region for reduction of bleeding complications during implant surgery in the interforaminal region U Hofschneider, G Tepper... - ... Implants, 1999 - pdfs.semanticscholar.org
- Sublingual hematoma formation during immediate placement of mandibular endosseous implants TJ Isaacson - The Journal of the American Dental Association, 2004 – Elsevier
- Near-fatal airway obstruction after routine implant placement J Niamtu III - Oral Surgery, Oral Medicine, Oral Pathology, Oral ..., 2001 - Elsevier

Dr. Tom Spalla - *Sinusitis: Implications for Oral Surgery*

- Hamilos DL (October 2011) “Chronic rhinosinusitis: epidemiology and medical management” The Journal of Allergy and Clinical Immunology. 128(4):693-707, quiz 708-9.
- Rosenfeld RM, Piccirillo JF, Chandrasekhar, SS, et al. Clinical Practice Guideline: Adult Sinusitis. Otolaryngol Head Neck Surg April 2015; 152(S2):s1-s39
- Anon JB (April 2010) “Upper respiratory infections” Am J Med 123(4Suppl):S16-25

Dr. Yahya Mansour - *It's Complicated: Avoiding, Managing, and Fixing Complications in Implantology*

- Goodacre CJ, Bernal G, Rungcharassaeng K, Kan JY. Clinical complications with implants and implant prostheses. J Prosthet Dent. 2003;90:121 – 32
- Resnik R, Misch C. Clinical Tips to Avoid Complications. Dentistry Today. 2014;Vol 33:96-102
- Resnik R, Misch C. Avoiding Complications in Oral Implantology. Elsevier. 2017.
- Carl E. Misch, Francine Dietsh-Misch, John Hoar, George Beck, Ray Hazen, Craig M. Misch, A Bone Quality Based Implant System: First Year of Prosthetic Loading, Journal of Oral Implantology. 1999;25(3):185-197

Dr. Frank Zastrow - *Biological Bone Augmentation: What are the Basics, Where are the Limitations*

- Sbordone L, TotiP, Menchini-Fabris G, Sbordone C, Guidetti F: Implant survival in maxillary and mandibular osseous onlay grafts and native bone: a 3 year clinical and computerized tomographic follow-up, Int J Oral Maxillofac Implants 2009;24:695-703.
- Khoury F, Khoury C: Mandibular bone block grafts: instrumentation harvesting technique and application, Journal de Parodontologie & d'Implantologie Orale 2005;25:15-34.
- Khoury F, Hanser T: [O 056] Method and results in harvesting mandibular bone block grafts. Clin Oral Implants Res - Oral presentation at the 17th EAO Warsaw 2008;19:853-854.

- Khoury F, Happe A: Soft tissue management in oral implantology: a review of surgical techniques for shaping an esthetic and functional per-implant soft tissue structure, Quintessence Int 2000;31:482-499.

Dr. Paul Weigl - *The Unstoppable Trend: Immediate Implant Placement and Single Crown Restoration Enabled by a Progressive Thread Design*

- Mainetti T, Lang NP, Bengazi F, Favero V, Cantero L, Botticelli D. Sequential healing at implants installed immediately into extraction sockets. An experimental study in dogs. Clin Oral Implants Res. 2014 Dec 18
- Chen H, Zhang G, Weigl P, Gu X, Immediate placement of dental implants into infected versus non-infected sites in the esthetic zone: A systematic review and meta-analysis. J Prosthet Dent. 2018 Nov;120(5):658-667.
- Weigl P, Strangio A. The impact of immediately places and restored single-tooth implants on hard and soft tissues in the anterior maxilla. Eur J Oral Implantol. 2016;9(2):89-106
- Tallarico M, Caneva M, Meloni SM, Xhanari E, Covani U, Canullo L. Definitive abutments places at implant insertion and never removed: Is it an effective approach? A systematic review and meta-analysis of randomized controlled trials