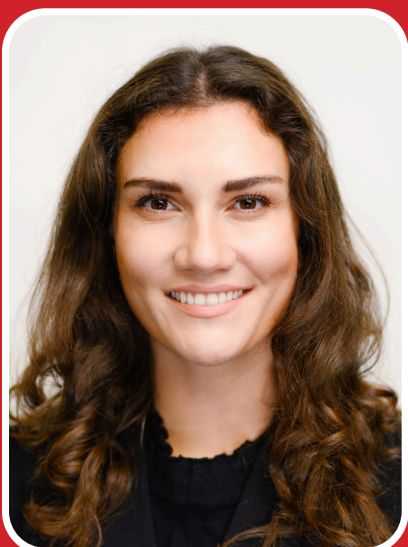




STEIGMANN

implant institute



Dr. Larissa Steigmann

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Larissa Steigmann received her first dental degree (D.M.D) from the Goethe University of Frankfurt in 2019. She then continued her education at the University of Michigan in the Periodontics & Oral Medicine Master Program. Concomitant ther Periodontal Specialty, she obtained her Master of Science in Periodontology (M.S.) and graduated in 2022. Dr. Steigmann conducted numerous research projects in the field of oral health and implant rehabilitation, of which several have been published in peer-reviewed international journals. Additionally, she serves as a reviewer for journals in the field of periodontology and implant dentistry. Since 2022, she has been a member of the faculty at the Harvard School of Dental Medicine in the Department of Oral Medicine, Infection, and Immunity, Division of Periodontology where she compassionately supports the dental education of students. Concomitantly she works in the Giannobile Lab and pursues research directed towards personalized medicine.

Dr. Steigmann received multiple awards including the Jefferey Johnston Fellowship, LeGrScholarship, Billy A. Smith Award for exemplary communication skills and empathy in patient care, as well as the prestigious Dr. and Mrs. Kramer Scholar Award of Excellence which is awarded by the American Academy of Periodontology Foundation for excellence in both character and academic achievement, personal motivation and personal integrity exemplified by leadership, community involvement, and concern for the needs of others.



BUILDING THE ESTHETIC FRAMEWORK

INDICATION SPECIFIC ALVEOLAR RIDGE PRESERVATION TO GUIDED BONE REGENERATION

SUMMARY

Successful implant placement in the esthetic zone begins with alveolar ridge preservation at the time of extraction. Maintaining ridge volume and contour is essential to minimize resorption and provide an optimal foundation for implant placement, ensuring both functional and esthetic success.

Beyond osseointegration, achieving an ideal esthetic outcome requires the harmonious integration of peri-implant soft tissues. Soft tissue management in the esthetic zone plays a pivotal role in creating natural-looking restorations that meet patient expectations. Historically, implant rehabilitation aimed to replicate natural teeth both functionally and esthetically, often relying on conventional oral surgery and periodontal techniques. However, these approaches frequently failed to achieve predictable esthetic results.

To address these challenges, advanced flap designs, innovative incision strategies, and refined suturing techniques have been developed to enhance peri-implant soft tissue preservation. A deep understanding of soft tissue healing dynamics and the interplay between soft tissue and underlying bone is crucial for preventing and correcting esthetic failures. Specifically, customized incision techniques that account for interproximal bone levels and soft tissue biotypes contribute to long-term stability and optimal esthetic outcomes.

This course will delve into the biological principles of bone and soft tissue healing, surgical approaches for compromised extraction sockets, and the strategic selection of biomaterials to support both esthetic and functional results. Participants will gain hands-on knowledge in soft tissue augmentation, alveolar ridge preservation, and implant site optimization—ultimately enhancing the natural emergence profile and ensuring long-term esthetic success in implant dentistry.



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HANDS-ON

- Systematic soft tissue handling
 - Soft Tissue Management in the Aesthetic Zone
 - Flap design in the aesthetic zone
 - Flap manipulation for tension free primary closure
 - Incision Depth and Angulation in the aesthetic zone
 - Cosmetic periodontal surgery
- Advanced Suturing Techniques
 - Suturing techniques specific to the aesthetic zone
 - Suturing principles:
 - Mmaterials, techniques and sequencing
- Hands-on training on individual prefabricated models
 - Classification specific ridge preservation according to bone morphology socket defects
 - Diverse use of different biomaterial use in bone regeneration including innovative biomaterials (e.g. high tensile non-resorbable membrane, hyaluronic acid, magnesium membrane etc.)





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