
Dr. Henriette Lerner PhD, FDSRCS

Address: Ludwig Wilhelmstr. 17, 76530 Baden-Baden, Germany

Phone: +49 (0) 1721363192

Email: h-lerner@web.de

Date of Birth: 05.05.1967

Nationality: German

Languages

- **Romanian:** Native
- **Hungarian:** Native
- **German:** Native
- **English:** C2
- **Russian:** Basic

Profile

Dental professional specializing in implantology, periodontology, and aesthetic dentistry. Director of HL Dentclinic & Academy, affiliated with Johann Wolfgang Goethe University, with extensive teaching, research, and clinical expertise. Past President Digital Dentistry Society. Founder of the international group Leading Ladies in Dentistry.

Education

- **Doctor Medic. Stom. (D.M.D.)**
University of Medicine, Faculty of Dentistry, Temeschburg, Romania, September 1985 – June 1990
 - **Postgraduate Program in Oral Surgery**
University of Medicine and Pharmacy "Carol Davila," Bucharest, Romania, 2006 – 2007
 - **Oral Surgery Program**
Fortbildungs Academy, Karlsruhe, Germany, 1990 – 1993
 - **PhD in Digital Dentistry**
University of Szeged, Hungary, February 2021
-

Professional Experience

- **Director**
HL Dentclinic & Academy, Baden-Baden, Germany, September 2012 – Present - clinical, teaching, and research institution of Goethe University Frankfurt am Main, Germany.
 - **Educational Tutor and Lecturer**
Master of Aesthetic Dentistry Program, Goethe University, Frankfurt am Main, Germany.
 - **Visiting Professor**
University Universiapolis, Agadir, January 2023 – Present.
 - **Adjunct Assistant Professor** in the Department of General Dentistry and Comprehensive Care at NY University College of Dentistry
-

Memberships & Editorial Work

- **Past President**
Digital Dentistry Society (DDS)
 - **Founder** of the international group Leading Ladies in Dentistry
 - **Founding and Board Member**
German Society of Oral Implantology (DGOI)
 - **Diplomate**
International Congress of Oral Implantology (ICOI)
 - **Editorial Board**
Journal of Dentistry,
 - Digital Dentistry and Healthcare Knowledge,
 - Implant Dentistry: New Materials and Technologies (IDMT)
-

Teaching Experience

- Clinical research, digital workflow in implant cases, soft and hard tissue augmentation, biomaterials research, and full arch rehabilitations on teeth and implants.
-

Research & Development Activities

- Development of implant systems, biomaterials, and surgical instruments with a focus on digital implant dentistry, bone and tissue grafting, and complete oral rehabilitation.
-

Publications

1. Hermann, F., Lerner, H., & Palti, A. (2006). Parameter der Ästhetik – Teil 1: Einflussfaktoren für den Erhalt des periimplantären marginalen Knochens. *Zeitschrift für Orale Implantologie*, 3/2006.
2. Lerner, H. (2015). Bone stability and aesthetics using an innovative implant design. *EDI Journal*, 1, 94.
3. Hermann, F., Lerner, H., & Palti, A. (2007). Factors Influencing the Preservation of the Periimplant Marginal Bone. *Implant Dentistry*, 16(2), 165-175.
doi:10.1097/id.0b013e318065aa81
4. Lerner, H., & Palti, A. (2010). Prospective Study Cases of Patients over One Year: Success Factors for Treatment with Mini-Implants and their Implications for Practice. *Praktische Implantologie und Implantatprothetik (PIP)*, 4(2009), 46–50.
5. Preoteasa, E., Imre, M., Lerner, H., Tancu, A.M., & Preoteasa, C.T. (2015). Narrow Diameter and Mini Dental Implant Overdentures. *Emerging Trends in Oral Health Sciences and Dentistry*. DOI: 10.5772/59514
6. Preoteasa, E., Meleşcanu-Imre, M., Preoteasa, C.T., Marin, M., & Lerner, H. (2010). Aspects of Oral Morphology as Decision Factors in Mini-Implant Supported Over Denture. *Romanian Journal of Morphology and Embryology*, 51(2), 309–314.
7. Lerner, H., & Jacobson, Z. (2016). Modified clinical approach for improved aesthetics in full-arch restoration. *StomaEduJ.*, 3(1), xx-xx.
8. Lerner, H. (2015). Innovative dental implant design shows improved success rate, bone stability, and esthetic benefits: A retrospective study over 3 years including 2-year follow-up. *Praktische Implantologie und Implantatprothetik*, 2, May 2015.
9. Holweg, A., Lerner, H., & Pehrsson, K. (2012). Application of a Synthetic Hydroxyapatite in Dental Surgery: Results of an open prospective multicentre study with 190 patients. *EDI Journal*, 1, 1/2012. ISSN 1862-2879.
10. Piek, D., Livne, S., Harel, N., Lerner, H., Palti, A., & Ormianer, Z. (2013). One Year of Survival Rate Outcomes of Innovative Dental Implants: A prospective clinical study. *Implant Dentistry*, 22(6), 572–577.
11. Lorenz, J., Lerner, H., Sader, R., & Ghanaati, S. (2015). Long-term stable peri-implant hard and soft tissue after immediate implantation: Initial data from a newly developed implant system. *Poster Presentation*, Jahrestagung der Deutschen Gesellschaft für Implantologie.
12. Lerner, H., Lorenz, J., Sader, R., & Ghanaati, S. (2016). Two-Year Follow-Up Case Series of Periimplant Health and Periimplant Bone Stability After Immediate Implant Placement of a Newly Developed Bone Level Implant System - A First Report. *EC Dental Science*, 4(5), 874-886.

13. Lerner, H., Lorenz, J., Sader, R., & Ghanaati, S. (2016). Peri-implant health and peri-implant bone stability after immediate implant placement. *EDI Journal* (European Association of Dental Implantologists, Teamwork Media), 12/2016.
14. Lorenz, J., Lerner, H., Sader, R., & Ghanaati, S. (2017). Influence of Lateral Augmentation and Technical Implant Characteristics on Peri-Implantitis: A Three-Year Follow-Up Analysis of a Newly Developed Bone-Level Implant System. *International Journal of Implant Dentistry*. Submitted 03/2017.
15. Lorenz, J., Barbeck, M., Kirkpatrick, C.J., Sader, R., Lerner, H., & Ghanaati, S. (2017). Injectable bone substitute material on the basis of β -TCP and hyaluronan achieves complete bone regeneration while undergoing nearly complete degradation. *International Journal of Oral and Maxillofacial Implants*. Accepted 04/2017.
16. Lorenz, J., Lerner, H., Sader, R., & Ghanaati, S. (2017). Investigation of peri-implant tissue conditions and peri-implant tissue stability in implants placed with simultaneous augmentation procedure: A 3-year retrospective follow-up analysis of a newly developed bone level implant system. *International Journal of Implant Dentistry*, 3:41.
17. Lorenz, J., Eichler, K., Barbeck, M., Lerner, H., Stübinger, S., Seipel, C., et al. (2016). Volumetric analysis of bone substitute material performance within the human sinus cavity of former head and neck cancer patients: A prospective, randomized clinical trial. *Ann Maxillofac Surg*, 6, 175-181.
18. Lerner, H., Lorenz, J., Sader, R., & Ghanaati, S. (2016). Two-Year Follow-Up Case Series of Periimplant Health and Periimplant Bone Stability After Immediate Implant Placement of a Newly Developed Bone Level Implant System - A First Report. *EC Dental Science*, 4(5), 874-886.
19. Lerner, H., Lorenz, J., Sader, R., & Ghanaati, S. (2017). Retrospective Clinical and Radiological Two-Year Follow-Up of a New Bone Level Implant System. *DI-Dentale Implantologie & Parodontologie international*, Spitta Verlag, 11-2017.
20. Lerner, H. (2017). Augmentation and defect filling in oral surgery: A multicentre non-interventional study. *Dental Implantology*, 21(2), 84—89.
21. Lerner, H., Hauschild, U., Sader, R., & Ghanaati, S. (2020). Complete-arch fixed reconstruction by means of guided surgery and immediate loading: A retrospective clinical study on 12 patients with 1 year of follow-up. *BMC Oral Health*, 20(1). doi: 10.1186/s12903-019-0941-z.
22. Lerner, H., Mouhyi, J., Admakin, O., & Mangano, F. (2020). Artificial intelligence in fixed implant prosthodontics: A retrospective study of 106 implant-supported monolithic zirconia crowns inserted in the posterior jaws of 90 patients. *BMC Oral Health*, 20(1), 80. doi:10.1186/s12903-020-1062-4.
23. Mangano, F.G., Admakin, O., Bonacina, M., Biaggini, F., Farronato, D., & Lerner, H. (2020). Accuracy of 6 Desktop 3D Printers in Dentistry: A Comparative In Vitro Study. *The European Journal of Prosthodontics and Restorative Dentistry*. https://doi.org/10.1922/EJPRD_2050Mangano11.
24. Mangano, F., Lerner, H., Margiani, B., Solop, I., Latuta, N., & Admakin, O. (2020). Congruence between Meshes and Library Files of Implant Scanbodies: An In Vitro Study Comparing Five Intraoral Scanners. *Journal of Clinical Medicine*, 9(7), 2174. doi:10.3390/jcm9072174.
25. Imburgia, M., Kois, J., Marino, E., Lerner, H., & Mangano, F.G. (2020). Continuous Scan Strategy (CSS): A Novel Technique to Improve the Accuracy of Intraoral Digital

- Impressions. *European Journal of Prosthodontics and Restorative Dentistry*, 28, 1-14. doi: 10.1922/EJPRD_2105Imburgia14.
26. Mangano, F.G., Admakin, O., Bonacina, M., Lerner, H., Rutkunas, V., & Mangano, C. (2020). Trueness of 12 intraoral scanners in the full-arch implant impression: A comparative in vitro study. *BMC Oral Health*, 20(1), 1–8. <https://doi.org/10.1186/s12903-020-01254-9>.
 27. Boychuk, M.M., Goncharuk-Khomyn, M.Y., Cavalcanti, A.L., & Lerner, H. (2020). Increasing the width of keratinized gingiva and soft tissue thickness in the peri-implant area: Analytical processing of the data and results obtained from systematic reviews. *Clinical Dentistry*, 3, 5–15.
 28. Goncharuk-Khomyn, M.Y., Krischfalushij, S.I., Boychuk, M.M., Lerner, H., & Bokoch, A.V. (2020). Relevant Data Considering Dental Implants and Prosthetic Rehabilitation Success among Patients Treated by All-on-4 Concept. *Dental News*, 4(105), 20-25.
 29. Imburgia, M., Lerner, H., & Mangano, F.G. (2021). A Retrospective Clinical Study on 1075 Lithium Disilicate CAD/CAM Veneers with Feather-Edge Margins Cemented on 105 Patients. *Eur J Prosthodont Restor Dent*. doi: 10.1922/EJPRD_2248Mangano10. Epub ahead of print. PMID: 33416217.
 30. Lerner, H., Nagy, K., Pranno, N., Zarone, F., Admakin, O., & Mangano, F.G. (2021). Trueness and precision of 3D-printed versus milled monolithic zirconia crowns: An in vitro study. *Journal of Dentistry*, 113:103792. doi: 10.1016/j.jdent.2021.103792. Epub 2021 Sep 2. PMID: 34481929.
 31. Mangano, C., Luongo, G., Luongo, F., Lerner, H., Margiani, B., & Admakin, O. (2022). Custom-made computer-aided-design/computer-assisted-manufacturing (CAD/CAM) synthetic bone grafts for alveolar ridge augmentation: A retrospective clinical study with 3 years of follow-up. *Journal of Dentistry*, 127, 104323. doi: 10.1016/j.jdent.2022.104323. Epub 2022 Oct 12. PMID: 36241044.
 32. Chandran, S., Sers, L., Picciocchi, G., Luongo, F., Lerner, H., Engelsechalk, M., & Omar, S. (2022). Guided implant surgery with R2Gate®: A multicenter retrospective clinical study with 1 year of follow-up. *Journal of Dentistry*, 127, 104349. doi: 10.1016/j.jdent.2022.104349. Epub 2022 Oct 23. PMID: 36283626.
 33. Canullo, L., Lerner, H., & Pesce, P. (2021). Implant Dentistry: New Materials and Technologies 2020. *Biomed Research International*, 2021:9852932. doi: 10.1155/2021/9852932. PMID: 35155668; PMCID: PMC8826218.
 34. Lerner, H., & Jacobson, Z. (2016). Modified clinical approach for improved aesthetics in full-arch restoration. *Stoma Edu J*, 3(1-2), 68-74.
 35. Mangano, F., Lerner, H., Margiani, B., Solop, I., Latuta, N., & Admakin, O. (2020). Congruence between Meshes and Library Files of Implant Scanbodies: An In Vitro Study Comparing Five Intraoral Scanners. *Journal of Clinical Medicine*, 9(7), 2174. doi:10.3390/jcm9072174.
 36. Lerner, H., Nagy, K., Luongo, F., Luongo, G., Admakin, O., & Mangano, F.G. (2021). Tolerances in the production of six different implant scanbodies: A comparative study. *International Journal of Prosthodontics*, 34(5), 591–599. doi: 10.11607/ijp.7379. Epub 2021 Feb 12. PMID: 33616558.
 37. Mangano, F.G., Admakin, O., Lerner, H., & Mangano, C. (2023). Artificial intelligence, and augmented reality for guided implant surgery planning: A proof of concept. *Journal*

- of Dentistry*, 133, 104485. doi: 10.1016/j.jdent.2023.104485. Epub 2023 Mar 23. PMID: 36965859.
38. Klein, M., Tuminelli, F.J., Sallustio, A., Giglio, G.D., Lerner, H., Berg, R.W., & Waltuch, A. (2023). Full-arch restoration with the NEXUS IOS® system: A retrospective clinical evaluation of 37 restorations after a one year of follow-up. *Journal of Dentistry*, 139, 104741. <https://doi.org/10.1016/j.jdent.2023.104741>.
 39. Luongo, F., Lerner, H., Gesso, C., Sormani, A., Kalemaj, Z., & Luongo, G. (2024). Accuracy in static guided implant surgery: Results from a multicenter retrospective clinical study on 21 patients treated in three private practices. *Journal of Dentistry*, 140, 104795. <https://doi.org/10.1016/j.jdent.2023.104795>.
 40. Mangano, C., Luongo, G., Luongo, F., Lerner, H., Margiani, B., Admakin, O., & Mangano, F. (2022). Custom-made computer-aided-design/computer-assisted-manufacturing (CAD/CAM) synthetic bone grafts for alveolar ridge augmentation: A retrospective clinical study with 3 years of follow-up. *Journal of Dentistry*, 127, 104323.
 41. Barbour, A., Darlington, L.G., Mendenhall, H., Lerner, H., & Glogauer, M. (2021). Efficacy of bioflavonoids of FLAVOBA against severe acute respiratory syndrome-coronavirus 2 in vitro. *Stoma Edu J.*, 8(2), 95–99.
 42. Lerner, H., Mangano, C., Luongo, G., et al. (2024). Implant Complications After Installation with Traditional Vs Digital Occlusal Indicators. *Adv Dent Tech*. Published online February 13, 2024:1-15.
 43. Mangano, F.G., Cianci, D., Pranno, N., Lerner, H., Zarone, F., & Admakin, O. (2024). Trueness, precision, time-efficiency, and cost analysis of chairside additive and subtractive versus lab-based workflows for manufacturing single crowns: An in vitro study. *Journal of Dentistry*, 141, 104792. doi: 10.1016/j.jdent.2023.104792.
 44. Shusterman, A., Nashef, R., Tecco, S., Mangano, C., Lerner, H., & Mangano, F.G. (2024). Accuracy of Implant Placement using a Mixed Reality-Based Dynamic Navigation System versus Static Computer-Assisted and Freehand Surgery: An in Vitro Study. *Journal of Dentistry*, 105052. doi: 10.1016/j.jdent.2024.105052.
 45. Lerner, H. (2024). Komplettsanierung unter Verwendung von Implantaten der „ÄsthetikLinie“. *BDIZ EDI konkret*, 02, 1-5.
 46. Mouhyi, J., Salama, M., Mouhyi, A., Lerner, H., Margiani, B., & Mangano, C. (2024). A novel coded healing abutment for a simplified digital workflow: A retrospective clinical study on 103 with one year follow-up. *Journal of Dentistry*, 150, 105465. <https://doi.org/10.1016/j.jdent.2024.105465>
 47. Mangano, F. G., Yang, K. R., Lerner, H., Porrà, T., Khachatryan, L. G., Gordienko, I. D., & Admakin, O. (2024). 3D-printed short-span hybrid composite implant-supported restorations fabricated through tilting stereolithography: A retrospective clinical study on 85 patients with 1 year of follow-up. *Journal of Dentistry*, 150, 105095. <https://doi.org/10.1016/j.jdent.2024.105095>
 48. Hauschild, U., Lerner, H., Weigl, P., Porrà, T., Admakin, O., & Mangano, F. G. (2024). Effects of the intraoral scanner and implant library on the trueness of digital impressions in the full-arch implant scan: A comparative in vitro study. *Journal of Dentistry*, 150, 105336. <https://doi.org/10.1016/j.jdent.2024.105336>
 49. Mangano, F. G., Yang, K. R., Lerner, H., Admakin, O., & Mangano, C. (2024). Artificial intelligence and mixed reality for dental implant planning: A technical note. *Clinical*

Implant Dentistry and Related Research, 26(5), 942–953. <https://doi.org/10.1111/cid.13357>

50. Mangano, F. G., Cianci, D., Pranno, N., Lerner, H., Zarone, F., & Admakin, O. (2024). Trueness, precision, time-efficiency and cost analysis of chairside additive and subtractive versus lab-based workflows for manufacturing single crowns: An in vitro study. *Journal of Dentistry*, 141, 104792. <https://doi.org/10.1016/j.jdent.2023.104792>
51. Mangano, F.G., Lerner, H., Valle, G., Biaggini, F., Mangano, C. and Dybov, A., 2026. Trueness of extraoral photogrammetry, intraoral photogrammetry and direct intraoral scanning in the full-arch digital implant impression: a comparative in vitro study. *Journal of Dentistry*, 165, p.106269.
52. Lerner, H., Weigl, P., Sader, R., Klein, M., Polack, M.A. and Tuminelli, F.J., 2026. Accuracy of full-arch implant scan with Nexus IOS® scan gauges versus different conventional scan bodies: an in vitro comparative study. *Journal of Dentistry*, 164, p.106254. <https://doi.org/10.1016/j.jdent.2025.106254>
53. Mouhyi, J., Salama, M., Mouhyi, A., Lerner, H., Margiani, B., & Mangano, C. (2024). A novel coded healing abutment for a simplified digital workflow: A retrospective clinical study on 103 patients with a one year follow-up. *Journal of dentistry*, 152, 105465. Advance online publication. <https://doi.org/10.1016/j.jdent.2024.105465>

Books and Chapters

54.

Books and Chapters

1. Lerner, H. (2012). *Oral Implantology - Patient Information Book*. Spitta.
2. Lerner, H. (2016). *Creating the Smile with Dental Implants, Esthetics in Dentistry*. Quintessence.
3. Lerner, H. (2017). *Periimplantary Aesthetics, Implant Aesthetics*. Springer.
4. Lerner, H. (2019). *Digital Occlusion in the Workflow of Full Arch Rehabilitations*. In *Handbook of Research on Clinical Applications of Computerized Occlusal Analysis in Dental Medicine* (ch13). IGI Global.
5. Lerner, H., & Coauthors. (2020). *Digital Dentistry Science and Clinics*. Online Book. Retrieved from <https://digital-dentistry.org/e-book-now-available/>
6. Lerner, H. (2015). Digital occlusion's role in implant rehabilitation. In R. B. Kerstein (Ed.), *Handbook of research on T-Scan technology applications in dental medicine* (pp. [specific pages]). IGI Global. <https://doi.org/>

Main International Scientific Presentations

1. **May 2005**
Fourteenth Annual International Symposium of Implantology, Boston, Massachusetts
- *Lecture*
2. **May 2008**
Fifteenth Annual International Symposium of Implantology, Boston, Massachusetts
- *Lecture*
3. **August 2008**
ICOI Chicago Annual Meeting, Chicago, Illinois - *Lecture*
4. **September 2008**
DGOI German Society of Oral Implantology Annual Meeting - *Lecture*
5. **October 2008**
National Conference, Budapest, Hungary - *Lecture and Workshop*
6. **April 2009**
DGOI German Society of Oral Implantology Annual Meeting - *Lecture*
7. **February 2011**
ICOI Middle East Conference, Iran - *Lecture*
8. **November 2011**
ICOI Israel Conference, Eilat - *Lecture*
9. **February 2012**
ICOI World Symposium, San Diego, California - *Lecture*
10. **April 2012**
Romanian National Implantology Conference, Iasi, Romania - *Lecture*
11. **October 2012**
DGOI German Society of Oral Implantology National Conference - *Lecture*
12. **July 2013**
Romanian National Implantology Conference, Bucharest, Romania - *Lecture*
13. **September 2013**
DGOI German Society of Oral Implantology National Conference - *Lecture*
14. **May 2014**
Seattle Study Club Conference, Germany - *Conference*
15. **August 2014**
ICOI Chicago Midwinter Meeting, Chicago, Illinois - *Lecture*
16. **September 2014**
DGOI German Society of Oral Implantology National Conference - *Lecture*
17. **February 2015**
31st AACD Annual Meeting, San Francisco, California - *Lecture*
18. **May 2015**
Seattle Study Club Germany Annual Meeting - *Conference*
19. **June 2015**
ICOI Middle East Conference, Tehran, Iran - *Lecture*
20. **September 2015**
Sofia Dental Meeting, Bulgaria - *Lecture*

21. **February 2016**
Dental XP Florida - *Lecture and Workshop*
22. **April 2016**
Implantology Days, Baden-Baden, Germany - *Conference*
23. **May 2016**
DGÄZ German Society of Esthetic Dentistry Conference - *Lecture*
24. **August 2016**
ICOI Annual Meeting, San Diego, California - *Lecture*
25. **October 2016**
Budapest Dental World Conference, Hungary - *Lecture and Workshop*
26. **February 2017**
ADI Yearly Conference of the British Society of Implantology, London, United Kingdom - *Lecture*
27. **April 2017**
DGOI German Society of Oral Implantology Winter Conference - *Lecture and Workshop*
28. **September 2018**
DGOI German Society of Oral Implantology Annual Conference, Munich, Germany - *Conference*
29. **January 2019**
Quintessence Symposium, Berlin, Germany - *Lecture*
30. **June 2019**
AIO Italian Association of Osseointegration Symposium, Sardinia, Italy - *Lecture*
31. **September 2019**
DDS Digital Dentistry Society Yearly Conference - *Conference*
32. **October 2019**
AAID Annual Conference, Las Vegas, Nevada - *Lecture*
33. **December 2019**
NYU Linhart Institute CDE Program - *Lecture*
34. **February 2020**
International Digital Days, Paris, France - *Lecture*
35. **October 2020**
Consensus Conference DDS Digital Dentistry Society - *Lecture*
36. **November 2021**
DDS Digital Dentistry Society Global Conference, Como, Italy - *Lecture*
37. **June 2022**
AIO Italian Association of Osseointegration Conference, Sardinia, Italy - *Lecture*
38. **August 2022**
NYU Linhart Institute CDE Program - *Lecture*
39. **October 2022**
DDS Digital Dentistry Society State of the Art Conference, Rhodes, Greece - *Lecture*
40. **November 2022**
National Israeli Dental Conference, Tel Aviv, Israel - *Lecture*
41. **January 2023**
NYU Linhart Institute CDE Program - *Lecture*
42. **February 2023**
AEEDC Dubai Scientific Meeting of Digital Dentistry Society - *Lecture*

43. **July 2023**

DGOI German Society of Oral Implantology Yearly Conference, Hamburg, Germany
- *Lecture*

44. **October 2023**

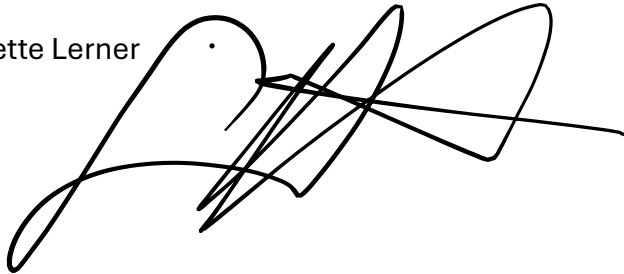
DDS Digital Dentistry of Oral Implantology Global Conference - *Lecture*

45. **October 2023**

ACP American College of Prosthodontics Annual Meeting, San Diego, California
- *Lecture*

Baden Baden, 4 th of September, 2024

Henriette Lerner

A handwritten signature in black ink, consisting of several overlapping loops and a long horizontal stroke extending to the right.