SDS SWISS DENTAL SOLUTIONS

Von der klinischen Evidenz zur sicheren Anwendung

Keramik-Implantate im Fokus der Forschung über alle Evidenzstufen hinweg

Konsensus & Leitlinien

Höchste Evidenzstufe

Keramik-Implantate sind als wissenschaftlich anerkannte und verlässliche Behandlungsoption bestätigt - in diversen internationalen Konsensuskonferenzen und Leitlinien

Schnurr E, Sperlich M, Sones A, et al. Ceramic Implant Rehabilitation: Consensus Statements from Joint Congress for Ceramic Implantology. **Consensus Statements on Ceramic Implant.** J Oral Implantol. 2024;50(4):435-445. doi:10.1563/aaid-joi D-23-00083

European Society for Ceramic Implantology (ESCI). **The clinical application of two-piece zirconia implants:** statement of the Scientific Advisory Board and Board of Directors. Kilchberg, Switzerland: ESCI; 2021

Thiem DGE, Stephan D, Kniha K, et al. **German S3 guideline on the use of dental ceramic implants**. Int J Implant Dent. 2022;8:43. doi:10.1186/s40729-022-00445-z

Müller-Heupt LK, Schiegnitz E, Kaya S, Jacobi-Gresser E, Kämmerer PW, Al-Nawas B. **The German S3 guideline on titanium hypersensitivity in implant dentistry: consensus statements and recommendations**. Int J Implant Dent. 2022;8(1):51. Published 2022 Nov 4. doi:10.1186/s40729-022-00451-1

Neugebauer J, Schoenbaum TR, Pi-Anfruns J, et al. **Ceramic dental implants: a systematic review and meta-analysis.** Int J Oral Maxillofac Implants. 2023;38(suppl):30-37.

Systematische Reviews & Metaanalysen

Aggregierte Evidenz

Keramik-Implantate erreichen vergleichbare Überlebensrate wie Titanimplantate von 95-97% über 5-10 Jahre - ein Ergebnis diverser Metaanalysen

Pachiou A, Delgado-Ruiz R, Schnurr E, Kim DM, Romanos GE, Balmer M, ZrO Summit 2025, Group 1. **Survival and Clinical Performance of Zirconia Compared to Titanium Implants**: A Systematic Review and Meta-Analysis'. Int J Oral Maxillofac Implants. Published online May 15, 2026. doi:10.11607/jomi.11788

Mohseni P, Soufi A, Chrcanovic BR. **Clinical outcomes of zirconia implants: a systematic review and meta-analysis.** Clin Oral Investig. 2024;28:15. doi:10.1007/s00784-023-05401-8

Roehling S, Gahlert M, Bacevic M, et al. **Clinical and radiographic outcomes of zirconia dental implants**: a systematic review and meta-analysis. Clin Oral Implants Res. 2023;34(suppl 26):112-124. doi:10.1111/clr.14133

Morena D, Leitão-Almeida B, Pereira M, et al. **Comparative clinical behavior of zirconia versus titanium dental implants**: a systematic review and meta-analysis of randomized controlled trials. J Clin Med. 2024;13:4488. doi:10.3390/jcm13154488

Alqahtani SM, Chaturved S, Alkhurays M, et al. **Clinical effectiveness of zirconia versus titanium dental implants in anterior region**: an overview of systematic reviews. Eur J Med Res. 2025;30:290. doi:10.1186/s40001-025-02488-5.

Prospektive Kohorten- & Langzeitstudien

Klinische Studien

Hohe Überlebensraten von 94-100% bei geringem marginalem Knochenverlust (=0,8mm) über 5 bis 8 Jahre - dokumentiert in prospektiven Studien

Schnurr E, Parra M, Bauder R, et al. **Patient Perspectives on Immediate Zirconia Implant Therapy**: Results from a Long-term Multicenter European Study. J Oral Implantol. 2025;51(5):444-453. Published 2025 Nov 12. doi:10.1563/aaid-joi-D-25-00111

Blodgett KJ, Mead K, Boyer V, Schnurr E. **Zirconia implant integration in U.S. clinical practice**: six-month real clinical evidence. Dentistry Today. 2026;Jan/Feb:72-76

Alkhouri S, Smeets R, Stolzer C, et al. **Does placement of one-piece zirconia implants influence crestal bone loss?** Retrospective evaluation after prosthetic loading. Int J Oral Implantol (Berl). 2023;16(1):43-51

Balmer M, Spies BC, Kohal RJ, Hämmerle CHF, Vach K, Jung RE. **Zirconia implants restored with single crowns or fixed dental prostheses**: 5-year results of a prospective cohort investigation. Clin Oral Implants Res. 2020;31:452-462. doi:10.1111/clr.13581

Schnurr E, Hocevar M. **Ästhetik und Funktionalität von Implantaten aus Zirkoniumdioxid im Seitenzahnbereich** auf Gewebeniveau. ZMK. 2024;40(5):282-287

Fallberichte & Fallserien

Klinische Fälle

Ästhetisch überzeugende und komplikationsarme Verläufe metallfreier Keramik-Implantate bis zu 5 Jahren - belegt in detaillierten Falldokumentationen

Schnurr E, Volz KU, Mosetter K, Ghanaati S, Hueber R, Preussler C. **Interaction of Telomere Length and Inflammatory Biomarkers Following Zirconia Implant Placement**: A Case Series. J Oral Implantol. 2023;49(5):524-531. doi:10.1563/aaid-joi-D-22-00236

Dargel I, Schnurr E, Hübener MC. **Keramische Sofortimplantate im Frontzahnbereich**: drei Fälle im Vergleich. Prakt Implantol Implantatprothet. 2025;1:8-11

Schick F, Bauder R, Volz KU, et al. **Sofortbelastete Keramikimplantate**: eine kurz- und langfristige Nachuntersuchung. Prakt Implantol Implantatprothet. 2024;3:16-19

Popp C, Zarzar AA. **Immunologically neutral dental implants ceramic (zirconia) implants**. J Dent Oral Sci. 2022;4(3):122. doi:10.37191/Mapsci-2582-3736-4(3)-137.

MEHR STUDIEN ONLINE UNTER:
linktr.ee/SDS_Science

QR-Codes → Originalpublikation (DOI) | Stand: Juni 2026

SDS SWISS DENTAL SOLUTIONS

From Clinical Evidence to Safe Use

Ceramic implants in focus across all levels of scientific evidence

Consensus & Guidelines

Highest level of evidence

Ceramic implants have been confirmed as a scientifically recognized and reliable treatment option—in various international consensus conferences and guidelines

Schnurr E, Sperlich M, Sones A, et al. Ceramic Implant Rehabilitation: Consensus Statements from Joint Congress for Ceramic Implantology: **Consensus Statements on Ceramic Implant.** J Oral Implantol. 2024;50(4):435-445. doi:10.1563/aaid-joi D-23-00083

European Society for Ceramic Implantology (ESCI). **The clinical application of two-piece zirconia implants:** statement of the Scientific Advisory Board and Board of Directors. Kilchberg, Switzerland: ESCI; 2021

Thiem DGE, Stephan D, Kniha K, et al. **German S3 guideline on the use of dental ceramic implants**. Int J Implant Dent. 2022;8:43. doi:10.1186/s40729-022-00445-z

Müller-Heupt LK, Schiegnitz E, Kaya S, Jacobi-Gresser E, Kämmerer PW, Al-Nawas B. **The German S3 guideline on titanium hypersensitivity in implant dentistry: consensus statements and recommendations**. Int J Implant Dent. 2022;8(1):51. Published 2022 Nov 4. doi:10.1186/s40729-022-00451-1

Neugebauer J, Schoenbaum TR, Pi-Anfruns J, et al. **Ceramic dental implants: a systematic review and meta-analysis.** Int J Oral Maxillofac Implants. 2023;38(suppl):30-37.

Systematic Reviews & Meta-Analyses

Aggregated Evidence

Ceramic implants achieve survival rates comparable to those of titanium implants—95–97% over 5–10 years—according to various meta-analyses

Pachiou A, Delgado-Ruiz R, Schnurr E, Kim DM, Romanos GE, Balmer M, ZrO Summit 2025, Group 1. **Survival and Clinical Performance of Zirconia Compared to Titanium Implants**: A Systematic Review and Meta-Analysis'. Int J Oral Maxillofac Implants. Published online May 15, 2026. doi:10.11607/jomi.11788

Mohseni P, Soufi A, Chrcanovic BR. **Clinical outcomes of zirconia implants: a systematic review and meta-analysis.** Clin Oral Investig. 2024;28:15. doi:10.1007/s00784-023-05401-8

Roehling S, Gahlert M, Bacevic M, et al. **Clinical and radiographic outcomes of zirconia dental implants**: a systematic review and meta-analysis. Clin Oral Implants Res. 2023;34(suppl 26):112-124. doi:10.1111/clr.14133

Morena D, Leitão-Almeida B, Pereira M, et al. **Comparative clinical behavior of zirconia versus titanium dental implants**: a systematic review and meta-analysis of randomized controlled trials. J Clin Med. 2024;13:4488. doi:10.3390/jcm13154488

Alqahtani SM, Chaturved S, Alkhurays M, et al. **Clinical effectiveness of zirconia versus titanium dental implants in anterior region**: an overview of systematic reviews. Eur J Med Res. 2025;30:290. doi:10.1186/s40001-025-02488-5.

Prospective Cohort and Longitudinal Studies

Clinical Trials

High survival rates of 94–100% with minimal marginal bone loss (=0.8 mm) over 5 to 8 years—documented in prospective studies

Schnurr E, Parra M, Bauder R, et al. **Patient Perspectives on Immediate Zirconia Implant Therapy**: Results from a Long-term Multicenter European Study. J Oral Implantol. 2025;51(5):444-453. Published 2025 Nov 12. doi:10.1563/aaid-joi-D-25-00111

Blodgett KJ, Mead K, Boyer V, Schnurr E. **Zirconia implant integration in U.S. clinical practice**: six-month real clinical evidence. Dentistry Today. 2026;Jan/Feb:72-76

Alkhouri S, Smeets R, Stolzer C, et al. **Does placement of one-piece zirconia implants influence crestal bone loss?** Retrospective evaluation after prosthetic loading. Int J Oral Implantol (Berl). 2023;16(1):43-51

Balmer M, Spies BC, Kohal RJ, Hämmerle CHF, Vach K, Jung RE. **Zirconia implants restored with single crowns or fixed dental prostheses**: 5-year results of a prospective cohort investigation. Clin Oral Implants Res. 2020;31:452-462. doi:10.1111/clr.13581

Schnurr E, Hocevar M. **Ästhetik und Funktionalität von Implantaten aus Zirkoniumdioxid im Seitenzahnbereich** auf Gewebeniveau. ZMK. 2024;40(5):282-287

Case Reports & Case Series

Clinical Cases

Aesthetically pleasing and complication-free outcomes with metal-free ceramic implants for up to 5 years—as documented in detailed case reports

Schnurr E, Volz KU, Mosetter K, Ghanaati S, Hueber R, Preussler C. **Interaction of Telomere Length and Inflammatory Biomarkers Following Zirconia Implant Placement**: A Case Series. J Oral Implantol. 2023;49(5):524-531. doi:10.1563/aaid-joi-D-22-00236

Dargel I, Schnurr E, Hübener MC. **Keramische Sofortimplantate im Frontzahnbereich**: drei Fälle im Vergleich. Prakt Implantol Implantatprothet. 2025;1:8-11

Schick F, Bauder R, Volz KU, et al. **Sofortbelastete Keramikimplantate**: eine kurz- und langfristige Nachuntersuchung. Prakt Implantol Implantatprothet. 2024;3:16-19

Popp C, Zarzar AA. **Immunologically neutral dental implants ceramic (zirconia) implants**. J Dent Oral Sci. 2022;4(3):122. doi:10.37191/Mapsci-2582-3736-4(3)-137.

Flyer-26062 v1

MORE STUDIES ONLINE AT:
linktr.ee/SDS_Science

QR-Codes → Original Publication (DOI) | As of June 2026