Advanced Smile Dentistry Explains Titanium vs. Zirconia in Full-Arch Care

Titanium implants anchor full-arch treatment in bone; zirconia bridges replace the visible teeth. New guidance explains how the two materials work together.



Advanced Smile Dentistry



TOMS RIVER, NJ, UNITED STATES, September 29, 2026 / EINPresswire.com/ -- Advanced Smile Dentistry released patient guidance on titanium vs. zirconia dental implants, explaining that in many full-arch cases the two materials are not alternatives but separate components: titanium for the implants placed in the jawbone and zirconia for the fixed bridge attached to them.

Patients in Toms River, Ocean County, and surrounding communities often ask about materials while researching whole-arch treatment. Online comparisons pit titanium implants against zirconia implants, while other sources describe zirconia as the material of the final teeth, and some patients arrive believing they must choose one over the other. The practice developed the guidance to explain these terms before a consultation.

"Patients often compare titanium and zirconia as if they do the same job, but

in full-mouth treatment they usually belong to different parts of the same plan," said Dr. David Basar, DDS, lead dentist at Advanced Smile Dentistry. "The implant is the foundation in the bone. The bridge is what patients see, speak with, and chew with. Once that is clear, the consultation becomes a much more useful conversation."



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Dr. David Basar's excellent patient communication

Dr. Basar says there is no universal answer to whether titanium or zirconia is better. In many of these treatments, the two materials serve different purposes, so the right choice depends on which part of the restoration is being discussed and on the patient's oral health, treatment goals, and clinical needs. For the same reason, he said, asking whether zirconia is stronger than titanium is less useful than understanding each material's role.

A titanium dental implant is a small post placed in the jawbone that replaces the tooth root. Titanium has been used in implant dentistry since the 1960s, following work by Swedish researcher Per-Ingvar Brånemark on osseointegration, the process in which bone bonds directly to the implant surface. According to Dr. Basar, this type of treatment commonly uses four to six implants per jaw to support one fixed bridge.

A zirconia fixed bridge is the restoration, not the implant. Zirconia is a ceramic that is milled into a full arch of replacement teeth and secured to the implants with screws. Patients cannot remove this type of bridge at home. The dental team removes it only when maintenance or treatment requires it.

Zirconia implants are a separate category. They are ceramic fixtures placed in bone as an alternative to titanium, and they are different from zirconia bridges. When patients compare the two materials, the answer depends on which component is being discussed: the fixture in the bone or the teeth attached to it.

Dr. Basar said bone volume and density, bite forces, and the goals set during 3D imaging and

treatment planning all influence which implant system and which bridge material are recommended. Abutments, the connectors between implant and bridge, can also be made of titanium, zirconia or other materials depending on the design.

He added that the question of which material lasts longer rarely comes down to the material alone. "Longevity depends on how the restoration is designed, the forces the patient puts on it, daily home care and regular follow-up visits," he said. "The implant and the bridge work as one system, and each part has to be planned for that specific mouth."



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The practice recommends that patients considering full-mouth dental implants ask during a consultation which implant system is planned, which material is proposed for the final bridge and why, and whether the bridge can be repaired or replaced later without replacing the implants. [Learn more]

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>
> *Dr. David Basar, DDS, Lead Dentist, Advanced Smile Dentistry*

About Advanced Smile Dentistry

Advanced Smile Dentistry is a dental implant practice based in Toms River, New Jersey, led by Dr. David Basar. The practice focuses on full-mouth dental implants, full-arch dental implants, implant-supported dentures, dental implant surgery, and advanced restorative dentistry. Advanced Smile Dentistry utilizes digital diagnostics, 3D imaging, and personalized treatment planning to support predictable treatment outcomes and long-term oral function. The practice is known for helping patients with extensive tooth loss, failing teeth, and complex restorative needs through comprehensive implant-based solutions and patient-centered care.

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