

# Stability ensured

## Advancing implant dentistry with Z-SYSTEMS bone level ceramic implants

**In an interesting case** performed by Dr Paul S. Petrunaro, Z-SYSTEMS bone level ceramic implants showcased their exceptional capabilities in a challenging scenario. The case involved a 100% fully-ceramic dental implant reconstruction utilising Z-SYSTEMS' bone level implants within an All-on-X fully digital workflow technique. The patient, a survivor of throat and tongue cancer, presented unique challenges that demanded a sophisticated approach, and Z-SYSTEMS' innovative ceramic implants proved their efficacy.

### Patient background and challenge

The patient's history of throat and tongue cancer presented complexities that required a comprehensive strategy. The use of radiation and chemotherapy treatments for cancer patients create a high risk for wound healing complications. Selecting the appropriate implant material was crucial. Z-SYSTEMS' bone level ceramic implants emerged as the preferred solution due to their exceptional biocompatibility and tissue-friendly nature, which were paramount for patients with compromised healing abilities.



Fig. 1: Pre-treatment smile.



Fig. 2: Immediate postoperative CT scan panoramic view.



**Fig. 3:** Case complete milled monolithic zirconia All-on-X upper and lower definitive prosthesis.

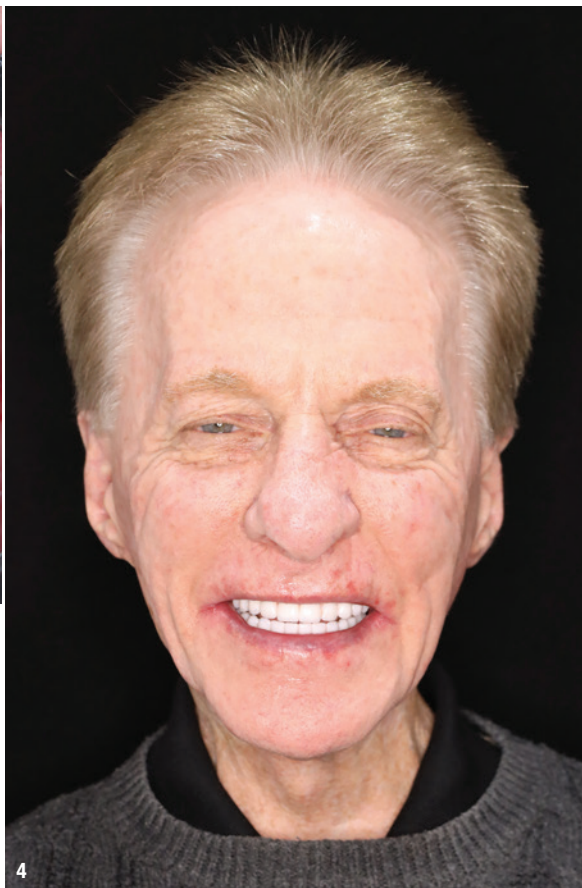
### The preferred choice

Dr Petrunaro highlighted, “In intricate cases such as this, where optimal healing and patient well-being are paramount, choosing an implant solution that ensures stability and promotes healthy tissue integration is crucial. Z-SYSTEMS’ bone level ceramic implants proved to be the natural choice. Their biocompatibility, absence of metallic ions, and tissue-friendly properties significantly mitigate the risks associated with compromised healing, making them the ideal option for our patient’s complex needs.”

Z-SYSTEMS’ bone level ceramic implants offer a host of unparalleled benefits, particularly in challenging cases:

- Optimal biocompatibility: The absence of metallic ions in Z-SYSTEMS’ ceramic implants ensures reduced complications, enhancing the healing process, and safeguarding patient well-being.
- Tissue-friendly properties: Z-SYSTEMS’ bone level implants promote superior tissue integration, crucial for high-risk patients with compromised healing abilities.
- Structural integrity: The screw-retained conical connection and ceramic composition provides robust stability and strength, ensuring the long-term success of the dental reconstruction.
- Aesthetic excellence: The natural appearance of ceramic implants ensures a seamless blend with the patient’s natural dentition, enhancing aesthetics and self-confidence.

Dr Paul S. Petrunaro’s case exemplifies the transformative potential of ZSYSTEMS’ bone level ceramic implants in intricate and high-risk scenarios.



**Fig. 4:** Case complete smile.

This testimonial is a tribute to Z-SYSTEMS’ pioneering approach to advancing implant dentistry, catering to unique patient requirements, and ensuring their oral health and satisfaction.



Dr Paul S. Petrunaro is a committed user of the Z-SYSTEMS’ implants.

### contact

#### Z-SYSTEMS

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