# **Long-Term Retrospective Study Finds** No Implant Fractures in More Than 2500 **Thommen Medical Implants**

Yu H, Qiu L, Int. J. Oral Maxillofac. Surg. 2022;51:1355-61



Aim

Analyze the incidence of implant body fractures from

different brands and identify

possible fracture risk factors



# Background

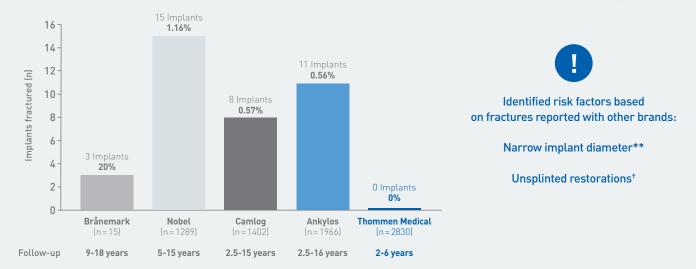
Implant body fractures are a potential mechanical complication that may be caused by ...

- ... implant or prosthetic design issues
- ... wrong planning of implant diameter or position
- ... parafunctional patient habits (e.g., bruxism or inadequate occlusion)



### **Results**

Zero implant fractures in 2830 Thommen Medical implants over 2–6 years of follow-up\*



## **Key Takeaways**

This large, long-term retrospective study...

- ... confirms the favorable implant design and stability of Thommen Medical implants<sup>++</sup>
- ...identifies a narrow implant diameter and unsplinted restorations as potential risk factors for fractures

\*The study sample included 8 patients with 15 Brånemark implants and 9–18 years of follow-up (Brånemark implants were originally not designed for crown restorations), 591 patients with 1402 Camlog implants and 2.5–15 years of follow-up, 450 patients with 1289 Nobel Replace implants and 5–15 years of follow-up, 601 patients with 1966 Ankylos implants and 2.5–16 years of follow-up, and 1160 patients with 2830 Thommen implants and 2-6 years of follow-up, and patients with r207 Nober replace in plants and 2-9 years of notion-up, and rate plants and 2-9 years of notion-up, and rate plants and 2-9 years of notion-up, and replants and 2-9 years of notion-up, and replants and 2-9 years of notion-up, and replants and 2-9 years of notion-up and replants and replants reached up to 18 years for other implant systems. Hence, longer follow-up times will be necessary to confirm these reported results