## creos mucogain: a natural collagen matrix

## With strength comes confidence

Nobel Biocare's creos regenerative product line offers reliable solutions for guided bone regeneration and guided tissue regeneration. This product range has grown once more with creos mucogain, a natural resorbable collagen matrix designed to replace autologous graft material in several indications.

## Literature

- 1 Linkevicius T, Apse P, Grybauskas S, et al. The influence of soft tissue thickness on crestal bone changes around implants: a 1-year prospective controlled clinical trial. Int J Oral Maxillofac Implants. 2009;24(4):712-719; Read on PubMed
- 2 Harris RJ, Miller R, Miller LH, et al. Complications with surgical procedures utilizing connective tissue grafts: a follow-up of 500 consecutively treated cases. Int J Periodontics Restorative Dent 2005;25(5):449-459. Read on PubMed.
- 3 Griffin TJ, Cheung WS, Zavras AI, et al. Postoperative complications following gingival augmentation procedures. J Periodontol 2006;77(12):2070-2079. Read on PubMed
- 4 Aguirre-Zorzano LA, García-De La Fuente AM, Estefanía-Fresco R, et al. Complications of harvesting a connective tissue graft from the palate. A retrospective study and description of a new technique. J Clin Exp Dent 2017;9(12):e1439-e1445. Read on PubMed
- 5 Heschel I, et al. 2002. Method for producing porous structures. US patent 6,447,701 B1. Read online

- 6 Boekema B, Vlig M, Olde Damink L, et al. Effect of pore size and cross-linking of a novel collagen-elastin dermal substitute on wound healing. J Mater Sci Mater Med 2014;25(2):423-433. Read on PubMed
- 7 Damink, LO, Heschel I, Leemhuis H, et al. Soft tissue volume augmentation in the oral cavity with a collagenbased 3D matrix with orientated open pore structure. Current Directions in Biomedical Engineering 2018; 4(1): 237-241. [conference paper] Read online
- 8 Wessing B, Vasilic N. Soft tissue augmentation with a new regenerative collagen 3-d matrix with oriented open pores as a potential alternative to autologous connective tissue grafts [329]. Clin Oral Implants Res 2014;25(s10):342. [poster presentation]. Read online
- 9 Montero E, Sanz-Martin I, Sanz-Sanchez I, et al. Volumetric changes in the buccal contour after immediate implant placement and provisional restoration together with a soft tissue substitute [12687]. Clin Oral Implants Res 2018;29(Suppl 17). [oral presentation]. Read abstract