

NEWS

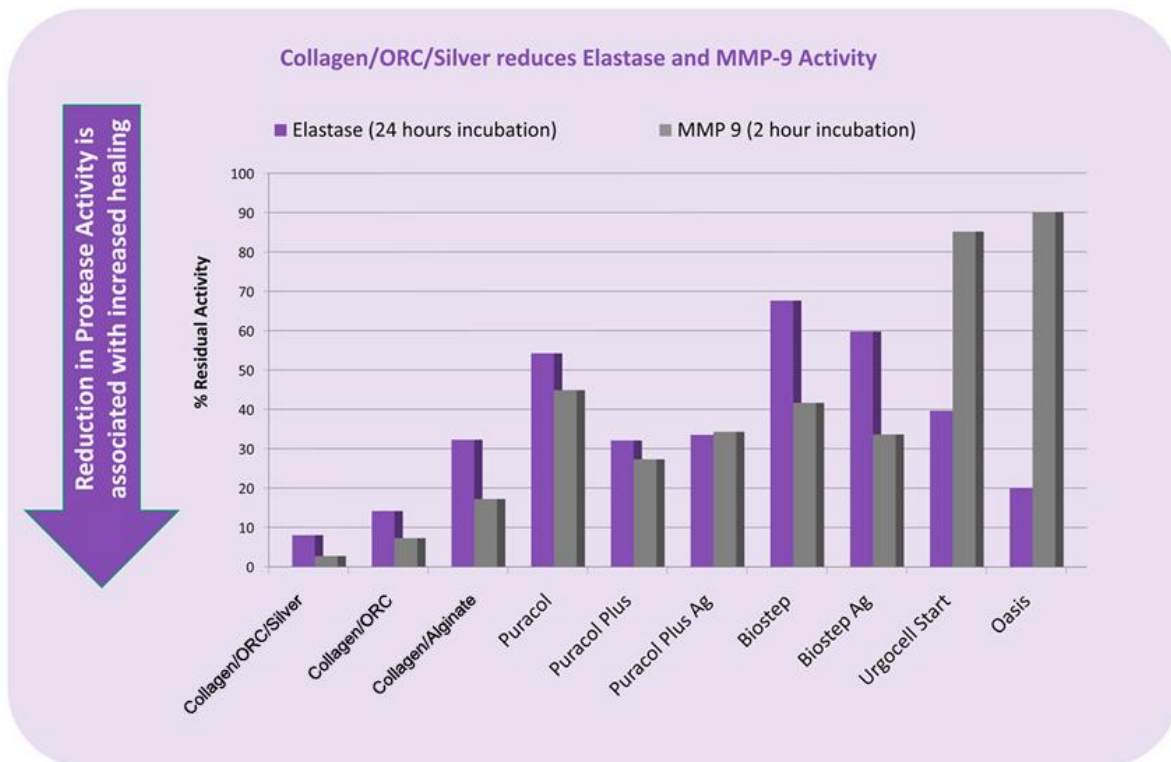
The combination of Collagen/ORC/silver provides superior reduction of proteases

New evidence shows how the unique combination of Collagen/ORC/Silver provides the greatest reduction of inflammatory protease activity.

Biopsies of collagen/ORC/silver, collagen-only, silver-only or NOSF dressings were incubated at 37°C in an inflammatory protease solution. Elastase and matrix metalloproteases (MMPs) activity was measured over time to determine the ability of each dressing to reduce inflammatory protease activity.

The Collagen/ORC/Silver dressings had less than 10% activity remaining after only 24 hours. Other collagen only dressings, collagen-silver dressings and NOSF dressings have a limited ability to reduce the level of inflammatory protease. Reducing inflammatory protease activities helps rebalance the biochemical environment of the wound, thereby aiding healing.

Gibson, M. et al., Rebalancing the Wound Environment using a Collagen/ORC/Silver Dressing, Poster WIC 2011.



Wounds that heal have lower level of proteases

Collagen/ORC/silver reduces levels of proteases

Finn Gottrup presented this study at Wounds International Conference, providing evidence that non-healing wounds have high levels of inflammatory biomarkers and that collagen/ORC/silver reduces elevated levels of inflammatory proteases in these non-healing wounds.

Twenty-four patients were treated with collagen/ORC/silver and fifteen control patients were treated according to a standard treatment protocol. Wound area was measured weekly over a maximum of 14 weeks and outcome was determined by percentage reduction in wound area. Levels of inflammatory proteases and cytokines were measured in wound fluid samples collected at baseline and at week 4.

Although there may not be immediate visual evidence of wound healing, from wound surface area reduction, analysis of wound fluids shows a correlation of reduction of inflammatory proteases activity with wound surface area reduction.

Gottrup et al. Comparative Clinical Study to show the Combined Mode of Action of Collagen/ORC/Silver in Controlling Bioburden and Modulating the Wound Microenvironment to Promote Healing, Presentation, WIC 2011.

Let's Talk...

To learn more about the benefits of collagen/ORC/silver dressings, contact your Systagenix representative or visit www.systagenix.com

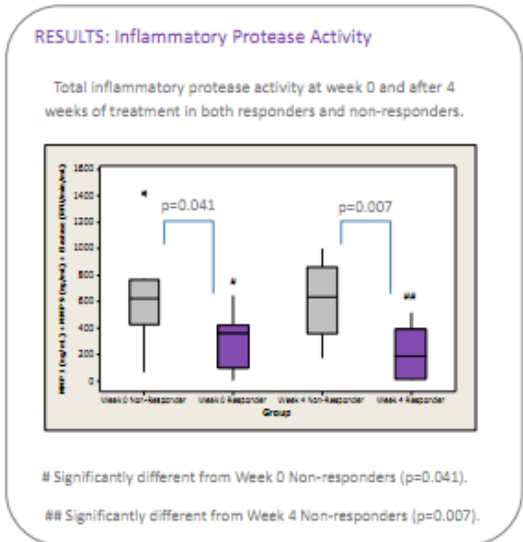


Fig 2 – Results: Inflammatory Protease Activity

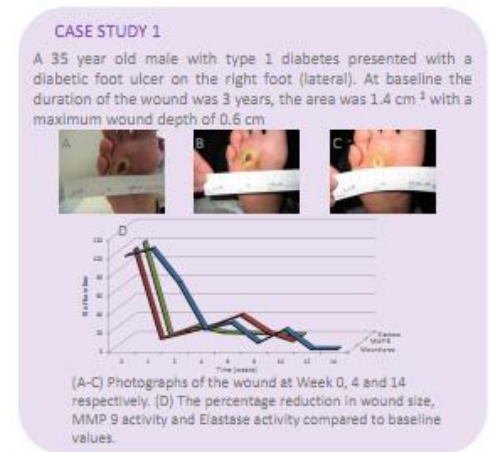


Fig 3 – Case Study 1

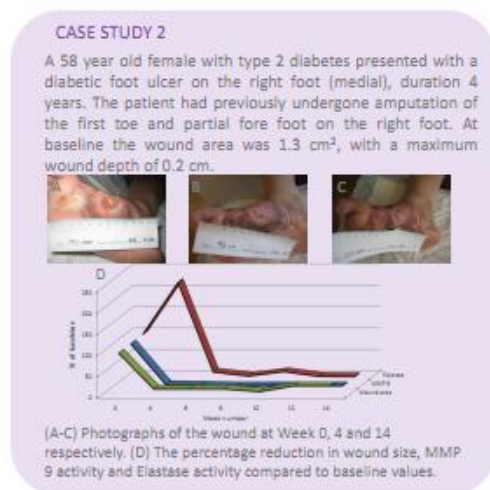


Fig 4 – Case Study 2