

# Use of a Novel, Bio-Cellulose Nano-structured Gel (Nanogen Gel™) to Treat a Traumatic Abdominal Wound in a Paraplegic Male.

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50 year –old male with T5-level paraplegia presented with a new onset of a traumatic abdominal wound. He had a moderate abdominal pannus and so was unaware of it's presence until he identified copious drainage on his clothing over several weeks. He did not self treat but immediately came to the clinic for evaluation. The cause was identified as a new, woven leather belt that he had worn with his pannus sitting on top as he engaged in his activities of daily living. The Nanogen Gel was applied in a thin layer to the wound and covered with a semi-absorbent island dressing and changed three times a week. The abdominal wound demonstrated remarkable healing as shown.

Nanogen is a Bio-Cellulose nano-structured membrane synthesized by a bacterial strain Acetobacter Xylinum through a fermentation process. The membrane can be applied directly or converted into a gel matrix for use on multiple types of wounds. Early studies suggest this novel product has excellent potential in promoting healing in otherwise recalcitrant wounds.



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