



HEALTH & PHARMACEUTICAL APPLICATIONS

FIBDEX - THE WORLD'S FIRST WOOD-BASED NANOCELLULOSE WOUND CARE PRODUCT

FibDex® is the world's first wound dressing developed from wood-based nanocellulose with regulatory approval (CE mark) in Europe. It's a result of more than a decade of nanocellulose research at UPM and close collaboration with the public sector. The University of Helsinki's Biopharmaceutical Research Group started testing UPM's nanocellulose hydrogel in 2010, and the development of FibDex started in 2011. Based on clinical investigation, FibDex potentially meets all the requirements for an ideal wound dressing. The nanocellulose in FibDex efficiently retains water, so FibDex keeps the wound bed suitably moist. FibDex is semi-breathable, which is important for wound healing. During the clinical investigation, FibDex was shown to work well: it promotes wound healing, facilitates

low pain experience and produces significantly improved skin quality in terms of elasticity of epithelialised donor site. FibDex is a one-time application dressing that does not need to be changed during treatment: it comes off by itself when the wound heals. In addition to more comfortable treatment for the patient and favourable treatment results (scar quality), faster wound healing results in cost savings for the hospital and society. Clinical investigation is ongoing at the Burn Centre of Uppsala University Hospital, Sweden, with regard to using FibDex for superficial dermal burns.



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