

FULL TEXT LINKS



[Artif Organs](#). 2000 Dec;24(12):984-7. doi: 10.1046/j.1525-1594.2000.06557-3.x.

Effect of electrolyzed water on wound healing

N Yahagi ¹, M Kono, M Kitahara, A Ohmura, O Sumita, T Hashimoto, K Hori, C Ning-Juan, P Woodson, S Kubota, A Murakami, S Takamoto

Affiliations

PMID: 11121980 DOI: [10.1046/j.1525-1594.2000.06557-3.x](#)

Abstract

Electrolyzed water accelerated the healing of full-thickness cutaneous wounds in rats, but only anode chamber water (acid pH or neutralized) was effective. Hypochlorous acid (HOCl), also produced by electrolysis, was ineffective, suggesting that these types of electrolyzed water enhance wound healing by a mechanism unrelated to the well-known antibacterial action of HOCl. One possibility is that reactive oxygen species, shown to be electron spin resonance spectra present in anode chamber water, might trigger early wound healing through fibroblast migration and proliferation.

Related information

[PubChem Compound \(MeSH Keyword\)](#)

LinkOut - more resources

Full Text Sources

[Ovid Technologies, Inc.](#)

[Wiley](#)

Other Literature Sources

[The Lens - Patent Citations](#)