ABSTRACT

PENGARUH AIR ION PERAK DALAM PROSES PENYEMBUHAN LUKA PASCA PENCABUTAN GIGI CAFIA COBAYA

(*EFFECT OF SILVER ION WATER IN THE PROCESS OF HEALING WOUNDS AFTER REVOCATION OF DENTAL CAFIA COBAYA*)

ABSTRACT
Background. *Tooth extraction is common procedure for diseased teeth with hopeless prognosis. After extraction the socket heals slowly. Some factors such as lack of blood supply, dehydration, exudate excess, or foreign bodies hamper socket healing. Silver Ion Water is liquid embedded with silver ion which is known to promote wound healing. This study utilizes silver ion water of 15 ppm concentrate.* ***Purpose.*** *To understand the effect of silver ion water on post extraction wound healing.* ***Method.*** *Marmots' teeth is extracted, afterwards H2O2 is applied on the wound for 3 days to undergo chronic inflammation. Those marmots are divided into 3 groups. Marmots' wound of control group isn't applied with silver ion water, marmots' wound of 1st intervention group is applied with silver ion water for 3 days, 2nd intervention group is applied with silver ion water for 5 days. On 8th day, the socket is cut and made HPA plate.* ***Result.*** *Amount of fibroblast, chronic inflammation cell, blood vessel of control group is 64, 97, 22, 1st intervention group is 84, 78, 31, 2nd intervention group is 119, 40, 45.* ***Conclusion.*** *Silver Ion Water is proven to hasten healing of post extraction wound.*

Key words*: Silver Ion Water, Chronic Inflammation Cell, Wound Healing.*
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