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Histologically, the process of early antler regeneration resembles that of healing of a mouse leg stump wound. However what sets these two apart is the difference in proliferation potential between the PPCs and the periosteal cells of the long bone.

Antler Stem Cells Sustain Regenerative Wound Healing in ...

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Jun 05, 2019 · Antler renewal is a stem cell-based epimorphic process and antler stem (AS) cells can initiate de novo generation of antlers in postnatal mammals. However, although being called stem

Name of Journal: *World Journal of Stem Cells*

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Transplanted Antler Stem Cells Stimulated Regenerative ...

<https://journals.sagepub.com/doi/full/10.1177/0963689720951549>

Studies show that AnSCs are unique in that they can not only promote perfect cutaneous wound healing (healing tissue consists of hair follicles, sebaceous glands, and blood vessels) very fast (healing of a wound with the diameter exceeds 10 cm within a week) but also initiates full regeneration of antlers (a bony organ) immediately following completion of wound healing 18.

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