

Tip of tail bitten off

Czechoslovakian Woolfdog

Female

1 year old

Day 0 equals the first day of MPPT application

A 1-year-old, female, Czechoslovakian Woolfdog was attacked by another dog and the tip of her tail was bitten off severing through the bone and exposing the marrow (pic 1 and 2). The treatment proposed by two independent vets was amputation. Bone regrowth is not always straight forward, and, furthermore, bite wounds are known for their tendency to cause complicated infections. Three days later, daily treatment with MPPT was started (pic 3). After three days a healthy scab had formed and was protecting the entire injury (pic 4). MPPT was paused, but 2 days later part of the scab displayed subtle oozing cracks, only detectable upon close inspection (pic 5). The dog removed the unhealthy part of the scab and left the healthy, firmly attached part untouched. The removal revealed healthy pink soft tissue covering the injured bone and wound (pic 6). Daily MPPT treatment was reinstated and within a few days, the area was covered with a healthy, new, protective scab which gradually reduced in size (pic 7) and the wound closed without further ado. A follow-up 4 months later revealed that the lost bone had fully regenerated and was covered with healthy skin with complete pigmentation, hair growth and no signs of scar tissue (pic 8 and 9). The dog was cared for by the owner at home at all times.



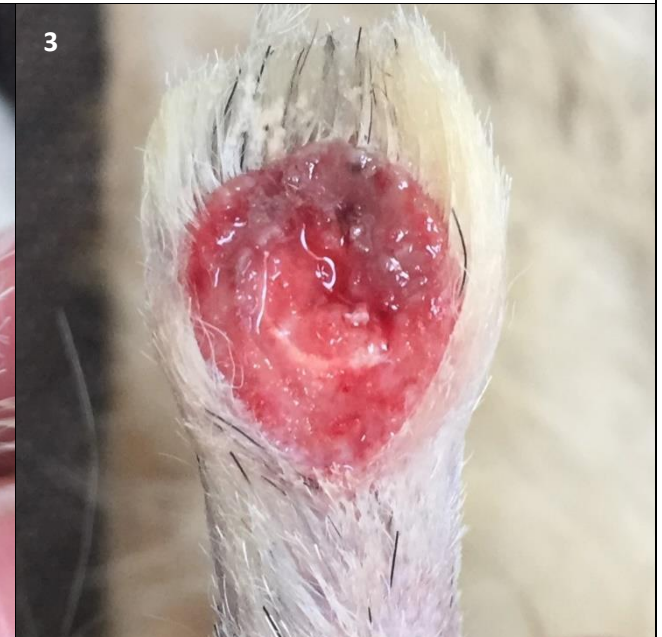
Day minus-3
3 days before first MPPT

A few hours after the tip of the tail was bitten off by another dog.






Day minus-3
3 days before first MPPT

The tail bone was severed perpendicularly clearly displaying the elevated, circular periphery of the bone cutting through the periosteum as well as



Day 0
just before first MPPT

The bone is clearly visible. Slightly darkened soft tissue at the distal tip indicates the beginning of a

	exposing the inner structures of the bone and bone marrow.	not yet severe infection. The surrounding skin is intact, healthy, and not inflamed.
<p>4</p> 	<p>5</p> 	<p>6</p> 
<p>Day 3</p> <p>Healthy scab is protecting the entire area.</p>	<p>Day 5</p> <p>The scab is cracked in the cranial half with signs of subtle oozing having taken place. This is an early sign of an infection building underneath the scab.</p> <p><i>Orange arrows: cracks with slight oozing.</i></p>	<p>Day 6</p> <p>The cracked, unhealthy part of the scab has been removed by the dog. The healthy, distal, part is firmly attached and has been left intact.</p> <p>Under the protection of the scab, the severed bone has been covered with healthy, pink, soft tissue.</p>



Day 10

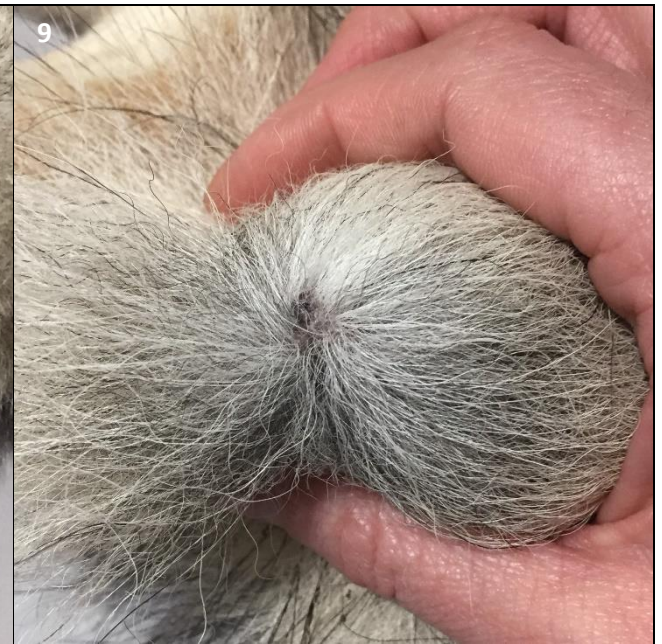
The infection is gone. A new, healthy scab is protecting the remaining injured area. Healing is progressing underneath. Once the bone has been fully restored and new soft tissue as well as new skin have finished forming and are ready, the last bit of scab falls off.



Day 129

4 months follow-up

Follow-up shows a perfectly bushy tail.



Day 137

4 months follow-up

The tip is fully restored to its original state. No bony structure is missing. Fully functional skin with glands, hair follicles and no scarring.