

British Divers Marine Life Rescue

SEAL BITES

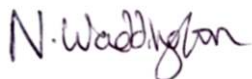
To whom it may concern

The person presenting this letter is a trained volunteer 'Marine Mammal Medic' for the charity, British Divers Marine Life Rescue. Their activities bring them into close and direct contact with marine mammals and they are at risk of exposure from a variety of pathogens with proven zoonotic potential, including *Brucella ceti*, *Salmonella* species and, perhaps most significantly, organisms responsible for the condition known as 'seal finger'.

Seal finger is an infection resulting from seal bites or contamination of open wounds, usually on the fingers, during the handling of seals. A papular lesion resembling a mosquito bite develops after the bite or exposure, with an incubation period that may range from a few hours to 4 days. This lesion soon becomes swollen and intensely painful but may not be erythematous. Untreated, the lesions can develop into cellulitis, tenosynovitis and septic arthritis. Historically, it has been unclear as to the nature of the pathogens associated with these lesions, but in the 1990s, a *Mycoplasma* species (*Mycoplasma phocacerebrale*), a member of the normal oropharyngeal flora of seals, was implicated.

Tetracycline 500mg four times a day for 2-6 weeks has been determined as the treatment of choice for this *Mycoplasma* infection. Penicillin, flucloxacillin, ampicillin, erythromycin and sulphonamides have all been associated with treatment failure.

Thank you for your attention.



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Veterinary Support Coordinator
British Divers Marine Life Rescue

References

Baker AS, Ruoff KL, Madoff S. Isolation of *Mycoplasma* species from a patient with seal finger. Clin Infect Dis 1998; 27(5):1168-70.

Mass DP, Newmeyer WL, Kilgore ES, Jr. "Seal finger". J Hand Surg [Am] 1981; 6(6):610-2.



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British Divers Marine Life Rescue is an internationally recognised marine animal rescue organisation, UK based and a Registered Charity. The aims of the organisation are to provide a rescue service for all marine wildlife, to provide support to all existing rescue centres and to develop new methods of treatment, transport and care. We welcome donations via www.justgiving.com/bdmrl