

PROVILAN PROBIOTIC EAR CARE CASE STUDY



PROVILAN PROBIOTIC EAR SPRAY RESOLVES DOG'S RECURRENT & ANTIBIOTIC-RESISTANT EAR INFECTIONS



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Probiotics Helped When Ben's Antibiotics Stopped Working

“ The treatment of multi-resistant ear infections presents veterinary surgeons with a challenging problem - bacteria that commonly infect the ears of dogs are becoming more and more resistant to the available antibiotics. Ear infections cause pain and discomfort for dogs and can affect hearing and balance in the long term. The use of probiotic ear products presents a new approach to this problem. It uses commensal (friendly) bacteria to eliminate pathogenic bacteria by competitively inhibiting them without the need for traditional antibiotic treatment. ”

Comment from the Veterinary Team -
Dr Richard Doyle, Veterinary Surgeon, Wylie Vets



Provilan Probiotic Ear Care

Introduction: Addressing Recurrent and Resistant Ear Infections

Ben, an 8-year-old Newfoundland, presented with chronic ear infections characterised by inflammation, discharge, and resistance to multiple antibiotics. The infection caused discomfort, swelling, and a yellow, malodorous discharge in both ear canals. An initial treatment with antibiotics resolved symptoms temporarily, but the infection recurred within three weeks, with pathogenic bacteria identified as *Escherichia coli*, *Staphylococcus pseudintermedius*, and *Beta Haemolytic Streptococcus*. Further testing revealed resistance to multiple antibiotics, including those commonly used for ear infections. Given the limited options and the high risk of further complications, the veterinary team trialed Provilan Probiotic Ear Spray to manage the infection.

Treatment Protocol: Probiotic Ear Spray for Infection Management

Initial Cleaning and Antimicrobial Treatment:

- Ben's ear canals were cleaned under sedation to remove discharge and debris.
- He received treatment with Marbofloxacin and an antimicrobial peptide, along with anti-inflammatory medication to reduce swelling and discomfort.

Probiotic Therapy:

- Following the persistence of resistant bacteria, Provilan Probiotic Ear Spray was introduced.
- Both ears were sprayed twice daily for eight days to rebalance the ear microbiome and reduce pathogenic bacteria naturally.

Results: Resolution of Infection and Prevention of Recurrence

Day 8: Ben's right ear appeared normal, and his left ear showed significant improvement, with reduced wax and inflammation. Swabs revealed no pathogenic bacteria.

One Month: Ben continued twice-weekly treatments with the probiotic spray, which maintained a healthy ear environment and prevented further infections.

Four Months: Ben remained infection-free without the need for further antibiotic treatments.

The success of probiotic therapy demonstrated a safe, natural alternative for managing recurrent, antibiotic-resistant ear infections in dogs.

Note: Provilan Vet probiotic sprays are not medicines or medical devices.



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