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## Otic cytology and antimicrobial susceptibility patterns of bacteria causing otitis externa in dogs

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Otitis externa is one of the common problems among dogs. It causes great discomfort to the affected dog. The practicing Veterinarian may get frustrated as the relapses are very common due to treatment failures and if left untreated the consequences may be very serious. Sixty dogs suffering from otitis externa which were presented at the Veterinary Clinics and Teaching Hospital, F.V.Sc & A.H, R.S Pura, Central Veterinary Hospital Talab Tillo, Jammu showed physical manifestations such as pinnal inflammation, crust formation, otalgia, head shaking, scratching of ear pinnae, foul smelling cerumen /exudates and ulceration of the inner aspect of external ear canal. The cytological examination of swabs from clinical cases of otitis showed either coccus or rods organisms. Inflammatory cells like neutrophils, mononuclear cells, epithelial cells and erythrocytes were also seen. Cells of *Malassezia pachydermatis* were seen as oval to foot print like structures. Bacteriological culture examination of ear swabs collected from 60 dogs infected ears resulted in the recovery of 49 monomicrobial isolates *Staphylococcus* spp., followed by *Pseudomonas* spp. and *Streptococcus* spp. All the bacterial isolates showed sensitivity to enrofloxacin and gentamicin.

### Biography

Sandeep Kumar has completed his BVSc at the age of 23 years from College of Veterinary Science, Anjora, Durg and MVSc from SKUAST-Jammu. He is the working as Veterinary Doctor at Amul Pvt Ltd. He has published 3 papers in reputed journals.