



Azadirachta indica oil, All India Institute of Medical Sciences All India Institute of Medical Sciences preclinical data. (Brief Article)

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The All India Institute of Medical Sciences is developing **Neem** + oil, a natural polyherbal formulation derived from the Azadirachta indica tree as a potential therapy for resistant bacterial keratitis. Preclinical data were presented at the 5th International Symposium on Ocular Pharmacology and Therapeutics, 11-14 March 2004, Monte Carlo, Monaco.

Keratitis was induced in the left eyes of ten healthy New Zealand albino rabbits (right eyes were control) by injecting *Pseudomonas aeruginosa* intrastromally after central epithelial debridement. Corneal ulcers were treated with standardized sparfloxacin 0.3% drops or crude undiluted **Neem** + oil. Clinical and histopathological evaluation showed that all eyes responded to treatment, however, **Neem** + oil-treated eyes responded more rapidly and completely. The institute plans to conduct further preclinical studies, and pending ethical approval, also plans to conduct human trials of the product.

Azadirachta indica oil, All India Institute of Medical Sciences, **Neem** + oil, S1A, Ophthalmological AntiInfectives, All India Institute of Medical Sciences, preclinical-data, new-drug

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