

The use of corneal scrubbing associated with matrix therapy in the treatment of chronic ulcers

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Purpose: To enhance corneal healing with scrubbing before treatment with matrix therapy

Methods: Retrospective study on chronic corneal ulcers evolving for several weeks refractory to conventional treatments methods;

All the corneal ulcers were scrubbed with cotton buds, most of them received matrix therapy at the dose regimen of a drop every other day until corneal healing and preservative free lubricants 3 times a day, for the painful cases, we performed bandage contact lenses, and the remaining patients received the bandage contact lenses without matrix therapy ; ocular examination was performed at D0, D3, D7, D15 and D30, with slit lamp examination, fluorescein coloration and measurement of the size of the ulcers

Results: 15 patients were included and divided on 3 groups: Group1: n= 6 corneal scrubbing, matrix therapy, lubricant and contact lenses; Group 2: n= 8 corneal scrubbing, matrix therapy, lubricant without contact lenses; Group 3: n= 1 corneal scrubbing; lubricant and contact lenses; All the ulcers healed at D30, in the group1 and 2, corneal healing was faster between 7 and 10[days. No complications were reported despite the occurrence of one case of descemetocèle at D3, with a good outcome at D15

Conclusions: Corneal scrubbing may accelerate corneal healing and therefore allows matrix therapy to be more efficient.

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