## Suppplementary material to

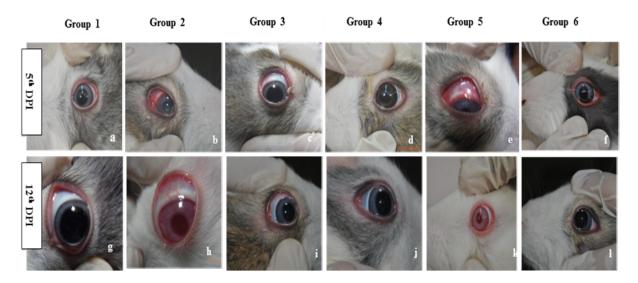
## EFFICACY OF CALTROPIS PROCERAAND FICUS SYCOMORUS EXTRACTS IN TREATING MRSA (METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS)-KERATITIS IN RABBIT

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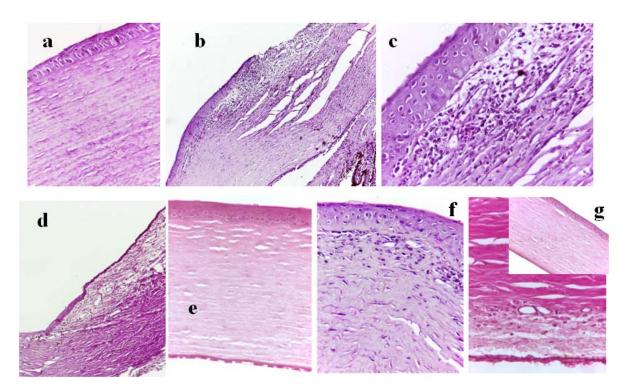
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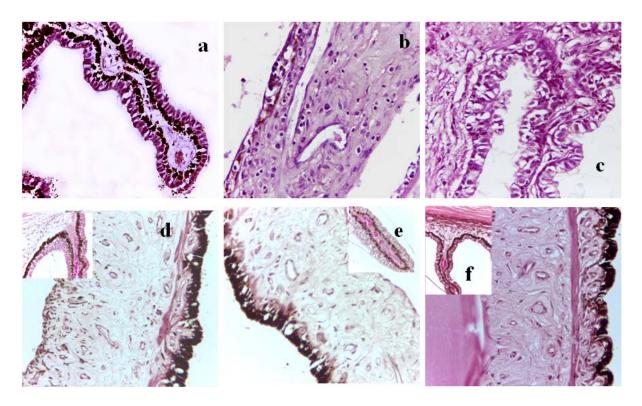
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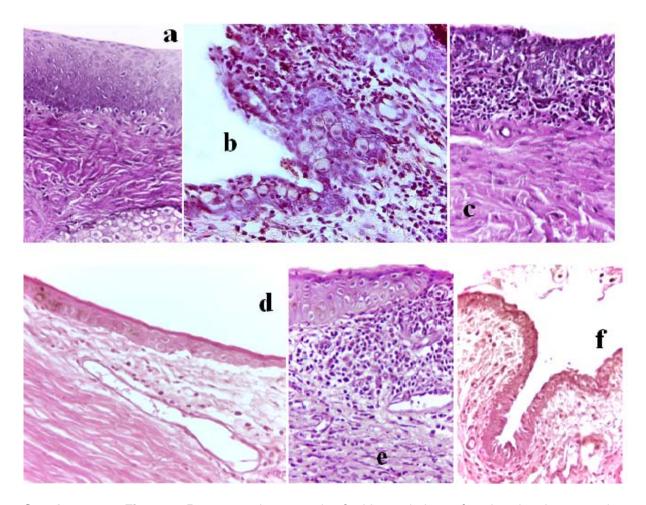
**Supplementary Figure 1:** Clinical signs of bacterial keratitis after treatment with extracts of *C. procera latex* and *F. sycomorus* leaves. Group 1 (a, g). received sterilized saline solution served as control (normal eyes view, with no clinical signs symptoms); groups from 2 to 6 were injected with 100 μl saline solution containing approximately 1500 cfu of MRSA (*S. aureus*). At the 5<sup>th</sup> DPI, severe clinical signs were observed in groups 2 (b) (untreated) and 5 (e) (treated with aqueous extract of *F. sycomorus* leaves) and moderate signs in groups 3 (c) (treated with chloramephnicol), 4 (d) (treated with aqueous extract of *C. procera* latex) and 6 (f) (treated with ethanol extract of *F. sycomorus* leaves). At the 12<sup>th</sup> DPI, severe signs of keratitis were still observed in group 2 (h) while mild signs were observed in groups 3 (i) and 5 (k). No clinical signs were observed in groups 4 (j) and 6 (l). In all treatments, the dose was 2 drops 3 times daily.



**Supplementary Figure 2:** Representative histopathological examples of corneas demonstrating cornea ulceration (a), necrosis (b), leukocyte infiltration density (c) in MRSA-inoculated animals and from (d) to (g) animals after treatment with chloramphenicol (d), aqueous extract of *C. procera* latex (e), aqueous extracts of *F. sycomorus* leaves (f), and alcoholic extracts of *F. sycomorus* leaves (g).



**Supplementary Figure 3:** Representative histopathological examples of iris, ciliary body and processes demonstrating edema (a), depigmentation and leukocytic infiltration (b) in MRSA-inoculated animals and from (c) to (f) animals after treatment with chloramphenicol (c), aqueous extract of *C. procera* latex (d), aqueous extracts of *F. sycomorus* leaves (e), and alcoholic extracts of *F. sycomorus* leaves (f).



**Supplementary Figure 4:** Representative examples for histopathology of conjunctiva demonstrating: (a) normal tissue appearance of uninfected control, (b) mucosal necrosis and leukocytic infiltration in MRSA- inoculated animals, (c) after treatment with chloramphenicol, (d) after aqueous extract of *C. procera* latex, (e) and (f) after aqueous and alcoholic extracts of *F. sycomorus* leaves.