The Use of Therapeutic Contact Lenses in Perforating Ocular Trauma


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Our purpose was to find the best solutions for the treatment of the perforating ocular trauma.
We studied several cases treated in the Ophthalmology Clinic Sibiu in the last 4 years with corneal or corneo-scleral wounds. In all cases we applied a therapeutic contact lens.
RESULTS, DISCUSSIONS

- The using of therapeutic contact lenses in the treatment of the perforating corneal wounds demonstrated its benefits by minimizing (to zero in some cases) the suture points, thus reducing the unneeded iatrogenic corneal scars, by accelerating the wound healing and by permitting the binocular vision with early social reintegration.
- LE: Inferior wound without membrane issue, TCL
- RE: large corneo-scleral wound in the supero-temporal area with a small perforation and a lot of foreign bodies;

- We removed the foreign bodies and replaced the flap;

- We used a TCL without suture and we think this was the ideal choice.
RE: infero-nasal sclero-corneal laceration, with flap:

- 2 sutures at the limbus;
- TCL fitting

- 1 year later, after the developing of cataract
- without tcl
Monophthalmus patient, with AO successive ocular contusive trauma RE - 10 years ago and LE - 1 year ago; LE: Corneal laceration with flat AC

- LE - TCL
- After 3 month
RE: Corneal wound which necessitated minimal suture + TCL
RE: Inferior corneal wound with iris issue

- Minimal suture + TCL
CONCLUSIONS

- The use of therapeutic contact lenses in perforating ocular trauma was a great benefit in all cases.
- In mj cases suprima sutura
- Minimum suture