

POSTER PRESENTATION

Open Access

Lupoid cutaneous leishmaniasis in Afghanistan treated with 0.045% DAC N-055

KW Stahl^{1*}, IG Sakhayee²

From International Conference on Prevention & Infection Control (ICPIC 2011)
Geneva, Switzerland. 29 June – 2 July 2011

Introduction / objectives

Lupoid leishmaniasis (LCL) is a rare, face disfiguring, treatment resistant complication which has responded to the expensive photodynamic therapy in 5 patients in Iran [F. Ghaffarifar et al. *La Rev. de la Méditerranée orientale* Vol. 12 No. 6, 2006]. Here we report 5 cases, -photodocumented as best as we could under the actually disastrous conditions of Afghan Health Care, - treated with 0.045% DAC N-055 [German Drug Codex, 1990], which is split into ¹O₂ and 2NaClO₂ after 360 nm light exposure and reacts as chlorite in iodometry.

Methods

The faces of 5 patients with a CL anamnesis and clinically diagnosed as lupoid CL were treated daily for the first week with 0.045 % DAC N-055 prepared in basic crème DAC B-20 under occlusive dressings, thereafter the patients were instructed to treat themselves with this hydrophilic crème and were told to show up as outdoor patients at least once per fortnight. Pharmaceutical chlorite, NaClO₂ [monograph DAC N-055] is O₂ enriched due to its Na₂Cl₂O₆ content, formerly called TCDO, (NaClO₂)₄·O₂, which fights viral, bacterial or parasitic tissue infections and promotes wound granulation even in radiogenic ulcers [http://www-pub.iaea.org/mtcd/publications/pdf/te_1300_web.pdf].

Results

1 patient was lost, 4 patients healed completely without scarring and with excellent cosmetic results (see photos!), 3 within 3 months, 1 after 10 months because of an additional severe eczema. There were no clinical signs of recurrence, one patient was followed for 6 years.

Conclusion

The low treatment costs for such excellent cosmetic results are appropriate for poor Afghan patients.

Disclosure of interest

None declared.

Author details

¹Waisenmedizin e. V., Freiburg i. Brsg., Germany. ²Dermatology, Balkh Civil Hospital, Mazar-e-Sharif, Afghanistan.

Published: 29 June 2011

doi:10.1186/1753-6561-5-S6-P247

Cite this article as: Stahl and Sakhayee: Lupoid cutaneous leishmaniasis in Afghanistan treated with 0.045% DAC N-055. *BMC Proceedings* 2011 **5** (Suppl 6):P247.

Submit your next manuscript to BioMed Central and take full advantage of:

- Convenient online submission
- Thorough peer review
- No space constraints or color figure charges
- Immediate publication on acceptance
- Inclusion in PubMed, CAS, Scopus and Google Scholar
- Research which is freely available for redistribution

Submit your manuscript at
www.biomedcentral.com/submit



¹Waisenmedizin e. V., Freiburg i. Brsg., Germany
Full list of author information is available at the end of the article