

Treatment Of Psoriasis By Hyperbaric Oxygenation

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Introduction:

The study was based on three outcomes in pathophysiologic process in psoriasis: local hypoxia in psoriatic plaques, increased intensity of local peroxidative activity and oxygen dependent reaction in Psoralen-Tymin base conjunction.

Methods:

13 subjects with clinical manifestations of psoriasis. Eight subjects were treated with PUVA therapy over a period of 10 years. Recidivism was frequent and remissions poor. Subjects were divided in two groups and all underwent HBO therapy. Group A (8 subjects: 5 males & 3 females) continued previous PUVA therapy with simultaneous HBO treatment of 10 sessions. Group B (5 subjects: 2 males & 3 females) underwent only HBO treatment (20 sessions).

Results:

In group A, the remission period was on average 9.5 months. In group B remission was on average 4.8 months.

Conclusion:

HBO therapy evidently improves results of PUVA therapy in treatment of psoriasis.