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Abstract	1.233.0000432002.0333.37	SHARE
Background: The efficacy of photodynamic therapy (PDT) using topical 5-aminolevulinic acid (ALA) for the treatment of actinic keratosis (AKs) is lower on the distal extremities compared with the head and neck areas. The strong temperature dependence of porphyrin synthesis in biologic tissue suggests that heating skin during incubation may improve the efficacy of PDT, particularly in areas		DACE NUMPERATION
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	naturally lower. The aim of this study was to evaluate the efficacy odulated PDT for the treatment of AKs on the extremities.	< Abstract
Methods: In this IRB-approved, single-center study, the upper or lower extremities of 2 were treated with 20% ALA under occlusion, followed by 10 J/cm, 417-nm blue light. Or		Similar articles
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Results: The median temperatures of the heated and control sides were 38.8°C and 29.4°C, respectively. The median clearance for the heated side was significantly greater than the control side		le MeSH terms
at 2 and 6 months (p < .0001). Typical PDT side effects were greater on the heated side compared with the control yet were well tolerated by all subjects.		Related information
Conclusion: Warming the skin during incubation of ALA seems to improve the efficacy of PDT in the treatment of AKs on the extremities and is well tolerated when heat application is controlled within		ne
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actinic keratoses of the upper extremities.

Taub AF, Garretson CB.

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Abstract		♥₿⊘
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		< Abstract
Methods: In this IRB-approved, single-center study, the upper or lower extremities of 20 subjects were treated with 20% ALA under occlusion, followed by 10 J/cm, 417-nm blue light. One of the 2 extremities treated was heated during the 1-hour incubation. Outcome measures included lesion counts, tolerability, and global improvement at baseline, 1 week, and 2 and 6 months after treatment.		Similar articles
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Results: The median temperatures of the heated and control sides were 38.8°C and 29.4°C, respectively. The median clearance for the heated side was significantly greater than the control side		MeSH terms
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Conclusion: Warming the skin during incubation of ALA seems to improve the efficacy of PDT in the treatment of AKs on the extremities and is well tolerated when heat application is controlled within		Related information
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- > Clinical Protocols
- > Erythema / etiology
- > Extremities
- > Female
- > Humans
- > Keratosis, Actinic / drug therapy*
- > Male
- > Middle Aged
- > Pain / etiology
- > Photochemotherapy / adverse effects
- > Photochemotherapy / methods*
- > Photosensitizing Agents / therapeutic use*
- > Pilot Projects
- > Skin Temperature
- > Temperature

> Treatment Outcome

Substances

> Photosensitizing Agents

> Aminolevulinic Acid

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