



Differential optical-polarimetry to detect skin distortion and skin cancer

Aharon Ofir *

Abstract

BlueSky by Patternox Ltd. is a novel approach to detecting potential or actual melanoma that has proven highly effective in clinical trials. The technology identifies undetectable lesion distortions, not fully identified today by dermoscopy and provides an indication to the degree of lesion distortion and the possibility of it being cancerous. Using BlueSky Dr. Aharon achieved very high Sensitivity and Specificity. One can only imagine how beneficial BlueSky can be in the hands of a trained dermatologist.

In clinical tests, using Dr. Aharon's method, it was identified that all lesions proven malignant by histology, including lesions that were clinically & dermoscopically diagnosed as benign by the medical staff. BlueSky's technology enables the detection of tissue structure distortions of skin lesions even with non-pigmented lesions. Such distortions can indicate early stages of skin cancers like Melanoma, BCC and SCC, and early/effective detection results in reduced mortality rate, prevention of unnecessary surgeries and avoiding unnecessary scarring and costs.
Speaker Publications:

Osman-Ponchet et al., Characterization of ABC transporters in human skin. Drug Metabol. Drug Interact., 29 (2014), pp. 91-100

Osman-Ponchet et al., Expression of drug transporters in the

Biography

Dr. Ofir Aharon, CEO and Founder of Patternox Ltd, inventor of BlueSky Scanner. Ph.D. in electro-optics engineering, specializing in the field of computational electromagnetism. Worked at the GSI, the particle accelerator in Darmstadt, Germany. Ofir was part of a research team at the CTO Department of Elbit systems, and later had a position at the Advance Development Group as part of the CTO of KLA-Tencor USA. He is also the inventor of optical devices such as the DOSI scanner. He was Meopta's representative and mediator in Samsung's CTO and LG's CTO-Korea headquarters.

[20th European Dermatology Congress](#) April 29-30, 2020 Prague, Czech Republic

Abstract Citation:

Differential optical-polarimetry to detect skin distortion and skincancer, Euro Dermatology 2020, 20th European Dermatology Congress, April 29-30, 2020 Prague, Czech Republic
<https://dermatology.conferenceseries.com/europe/abstract/2020/differential-optical-polarimetry-to-detect-skin-distortion-and-skin-cancer>

Citation: Aharon Ofir, (2020) *Differential optical-polarimetry to detect skin distortion and skin cancer* –2020. *Clin Dermatol Res J* 5:4

*Corresponding author: Aharon Ofir ,CEO and Founder of Patternox Ltd, Israel.

Author Affiliations

CEO and Founder of Patternox Ltd, Israel

[Top](#)



All articles published in Clinical Dermatology Research Journal are the property of SciTechnol, and is protected by copyright laws. Copyright © 2020, SciTechnol, All Rights Reserved.