

Objective Remote Documentation and Digital Assessment of Dermatologic Conditions by Augmented Skin Imaging

Harald Schnidar*, M Schöllhammer, P Dupin, L Alfine, M Bauer, K Schnidar and S Schnidar
Scarletred Holding GmbH, Austria

We have developed a novel and state of the art digital skin imaging software capable of remote documentation and objective assessment of various skin conditions. Our clinically validated system Scarletred[®] Vision consists of a mobile app, skin patch and online platform. To standardize the process of skin imaging, first the skin patch is applied on the patient's skin, close to the investigation area. It serves as a novel digital gold standard enabling color and size calibration in images taken with the mobile app. It delivers normalized image data by reducing illumination influences between investigated subjects and/or treatment groups over study time. Generated data is automatically allocated to the subject by using anonymous patient codes, encrypted and uploaded to the online platform. Such data can then be objectively analyzed by usage of our clinically validated algorithms, to measure visual skin changes like erythema, pigmentation, scaling, wound size and tissue composition. The software is now already CE class I medical device certified and provided via Software as a Service (SaaS) to Biopharma and Cosmetics companies, hospitals and medical experts. The intended purpose is for documentation and analysis of skin diseases in a broad range of dermatological applications, preferentially in the course of pre-clinical and clinical drug development (safety/efficacy/biocompatibility testing) of drugs, medical devices and skin care products as wells as for state-of-the-art Tele-Dermatology services. It is easy to use and enables to deliver better skin care products and health care services faster at lower cost.

Biography:

Dr. Harald Schnidar is the Founder and CEO of the award winning digital health Company Scarletred. The company is headquartered in Vienna and expanded recently to USA by incorporating a US at the reputational Cambridge Innovation Center next to MIT. Harald is the inventor of the Scarletred[®] Vision. The novel technology is on its way to transform global dermatology market. Before Scarletred, Harald worked in academics and clinical skin drug R&D. He holds a PhD in Genetics and an executive MBA by the University of Salzburg, Westminster, St. Gallen, Fudan and Toronto.