

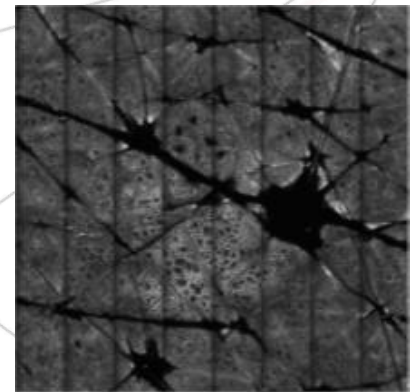
Software for image analysis of the skin's cellular and tissue characteristics

- Dedicated to the advanced and reliable analysis of a series of images
- (Patient/Subject-Kinetics-Lesions/Localizations- Stack and Mosaics)
- Visualization, Measurement and Analysis from the stratum corneum to the superficial reticular
- dermis both for pathological and healthy skins
- In vivo applications and quantifications on the papillary dermis, pigmentation, photo ageing
- process, fibers network organization and the epidermis cells

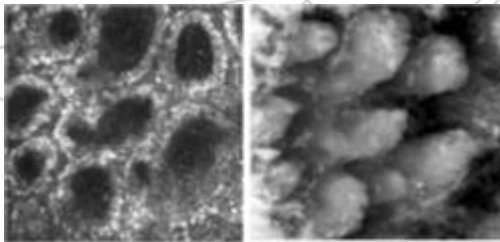
→ PRINCIPLE

From the in vivo confocal microscope, various high resolution acquisitions can be performed on the healthy or pathological skins:

- First of all, we can obtain stacks of images with an equidistant distance from the top of the skin to the reticular dermis (from the skin surface to 150 μ m with a step of 2 μ m).
- In parallel, we can extract mosaics of images (up to 8mm*8mm) at different depths.

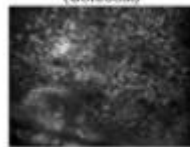


→ EXAMPLES OF APPLICATIONS



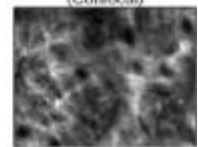
Reconstruction in 2D and 3D of the papillary dermis in order to quantify the number, the height, the morphology and the density of the papillae.

Photodamaged Elastin
(Confocal)



75 year old panelist
In-vivo confocal

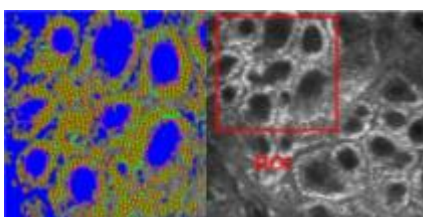
Normal Skin
(Confocal)



41 year old panelist
In-vivo confocal

Illustration and assessment of the ageing process or photo damaging process by the study of collagen and elastin network in the reticular dermis.

→ PAPILLARY DERMIS AND MELANIN STUDY BY "OBJECT" ANALYSIS



From a « model » analysis (elliptic, circle, variable or not in size), the software ConfoScan V01 allows you to quantify the number, the density of melanin and the morphology of papillae cells or epidermis cells (spinous and granular layers).