

ConfoScan

Quantification and Analysis of Confocal Images

Quantification for the quantification of Laser Confocal acquisitions (Stacks or Mosaics). Both of experts and routine users For a cellular and tissular quantification of the skin components from the VivaScope 1500 (Standard or Trilaser) acquisitions.

Three levels for analysis

■ Raw Tools

Using standard processing to study and quantify different elements into the skin ("dark objects" corresponding to the papillae, texture of the fibers network, Basal, inflammatory or pagetoids cells, Melanin, etc)

■ Standard Applications

Corresponding to the predefined and calibrated processing (Epidermis cells, Pigmentation, Lentigo...)

■ Customized Applications

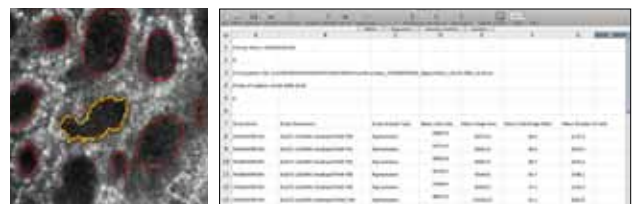
Defined by the user for a dedicated analysis (For a special study or topics – combination of different tools for dedicated segmentation of structures into the skin)

■ Reconstruction of "Z" slices

For dimensional measurement (Height of papilla, thickness of Stratum Corneum epidermis)

Optimisation of the analysis process

- Management of raw data (sample of subjects/Patients; Lesions/Locations; Stacks/Blocks)
- Creation of a study for analysis directly from the raw exportation from VivaScan
- Analysis on all sample size (from 1 to N subjects)
- Possibility to apply defined parameters at the Baseline to all times of a kinetic
- Selection of continuous or independent images into a VivaStack or VivaBlock.
- Definition of a Region Of Interest automatically applied for all selected images
- Exportation of all quantitative parameters of the study to an Excel sheet (Microsoft® Corp.)



EXAMPLE OF DEFAULT APPLICATIONS

- Pigmentation in lentigo (basal cells melanin)
- Density, size, shape of granular and spinous layer cells
- Density, size, shape of papilla
- Status of the reticular dermis (Elastosis – Fragmentation rate) etc.

