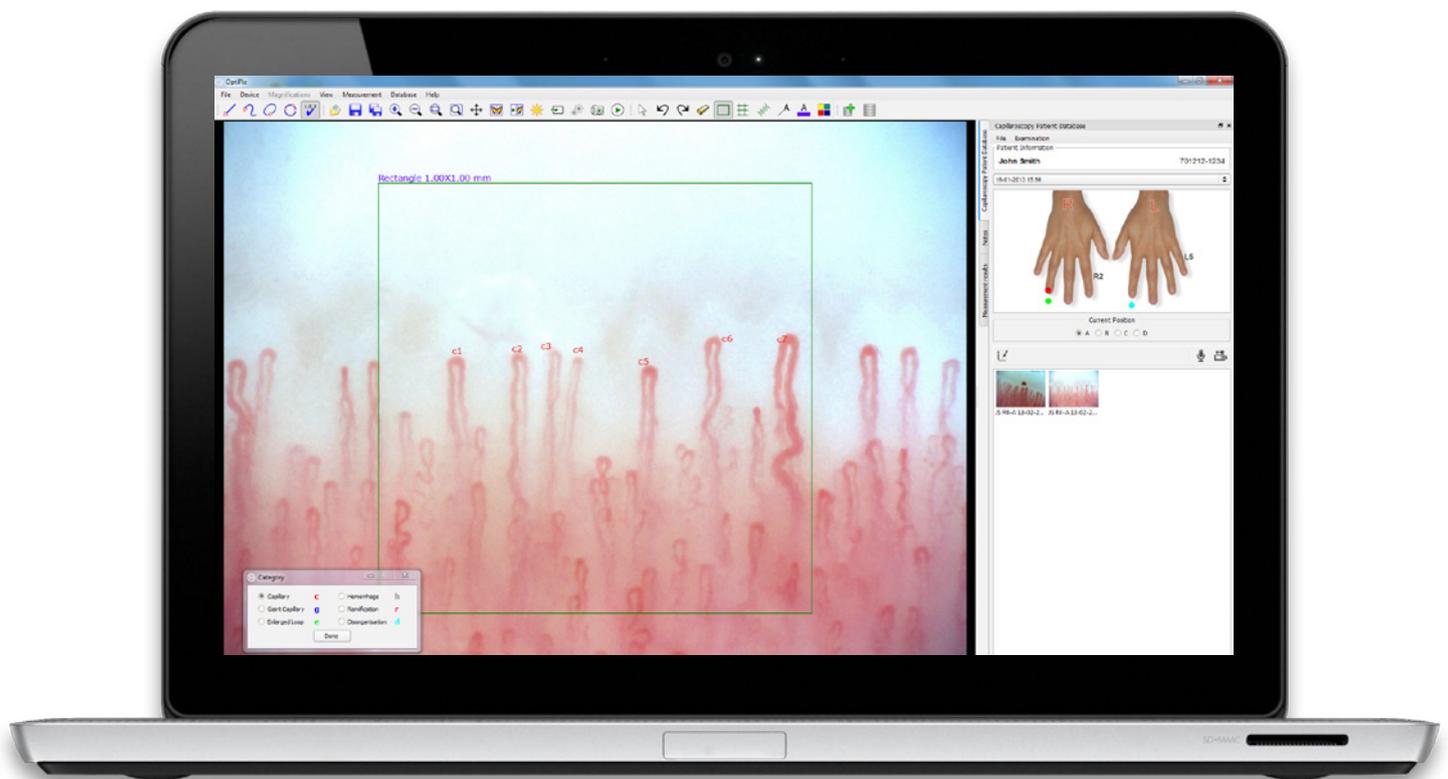


OptiPix Capillaroscopy

Optilia's Software for Videocapillaroscopy



There is a version of OptiPix CAP software to match all capillaroscopy needs. Optilia's OptiPix CAP Clinic software has a powerful and user-friendly interface with handmapping for documenting, analysing and following-up patient examinations. CAP Research features full-body mapping templates and can also import and use photo images for data base linked mapping. OptiPix is built around a secure patient database system or computer file system for image, text and data storage.

Hand / Body Mapping and Image Acquisition

Analyse, Count, Measure Enhance Image

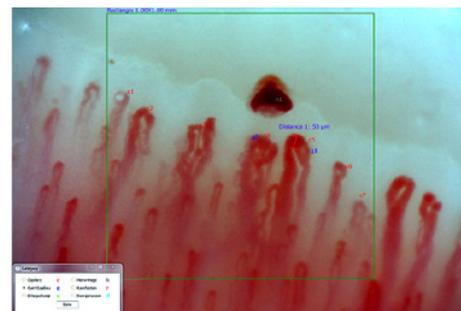
Image acquisition

OptiPix has been developed with emphasis on time efficiency considering work flow and user friendliness. The idea is to have a fast learning curve for new users but also to maximize the workflow for an experienced user

OptiPix Capillaroscopy software includes a sophisticated yet intuitive imaging platform for hand and body mapping of capillary features. Each captured image can be tagged with the information such as name, position, comments, measurements and other information

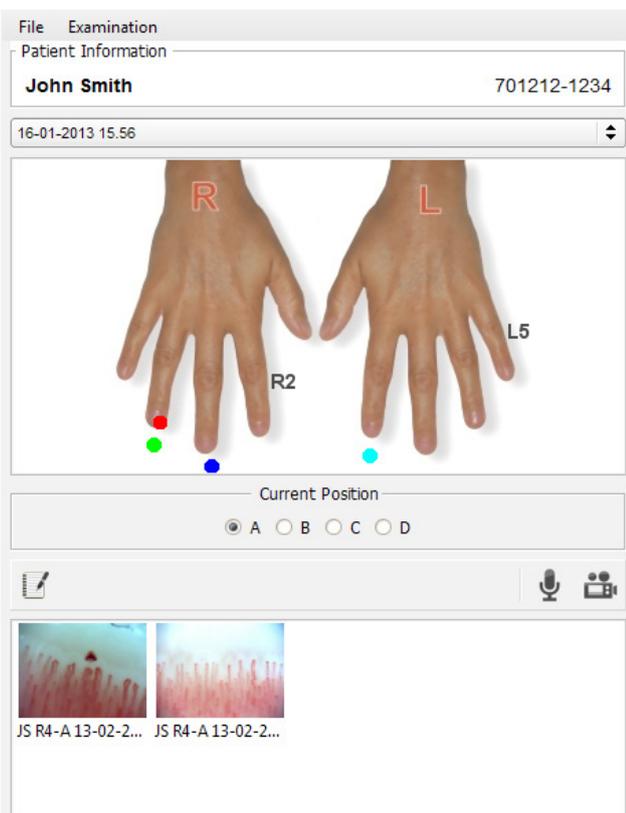
Analysis

In addition to sophisticated hand mapping and imaging tools, many other tools are available to assist and speed up the examination such as, measurements, annotations, 1mm² square overlay, multi-category manual counting to count morphological features, such as capillaries, micro-bleedings, ramifications.



Analysing capillaries with OptiPix

OptiPix Capillary software includes an examination summary table from which Capillaroscopic Skin Ulcer Index (CSURI) calculation can be activated.



Capillaroscopy patient database

Examination Summary		R5 R4 R3 R2			L2 L3 L4 L5		
Density							
# Capillaries (N)	7	9	8	9	8	7	8
Avascular Areas							
Background							
Edema							
Micro Bleeding							
Morphology							
Giant Capillary (M)	2	0	1	1	2	0	1
Max Diameter (D)	50	52	55		67	65	58
Ramification							
Bushy Capillaries							
Tortuous Capillaries							
CSURI Index: $M \times D / N^2 = 4.08$							
Calculated on finger R5							

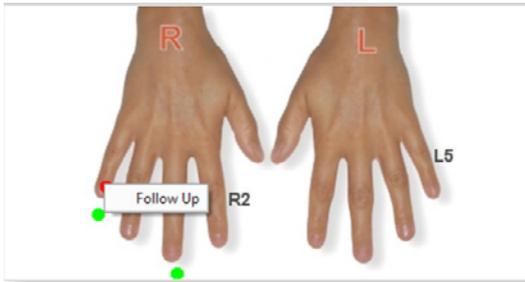
CSURI tool

Compare, Follow Up
Create Reports

Archive using built-in Database
or Computer File System

Compare, Follow Up

One of the advantages of using OptiPix is to store images in an encrypted database, compare and follow up.



Follow up a finger

Any finger and body part can be marked to be followed up for future examinations and the images from the previous examinations are easy to access at any time



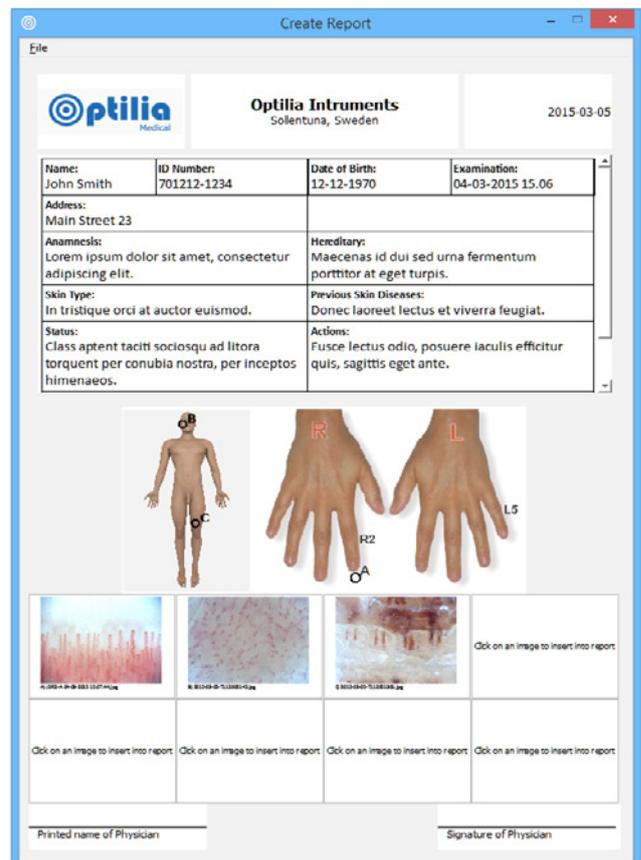
Image history of a finger

It is also possible to sign the patient examination to lock it for any further changes.

Documentation and Archiving

The software offers additional tools for documenting key data such as anamnesis, current status of the patient and other information for each examination.

The report is created based on capillary images that the physician has chosen and other patient information. The report is customisable and can be saved as a template to reload for later usage. The user creates the first page which can be viewed as a "table of content" page for images. All of the chosen images are attached to the report at high resolution and are saved as a .PDF or can be directly emailed or loaded in other patient journal systems.



Examination report generate from CAP research

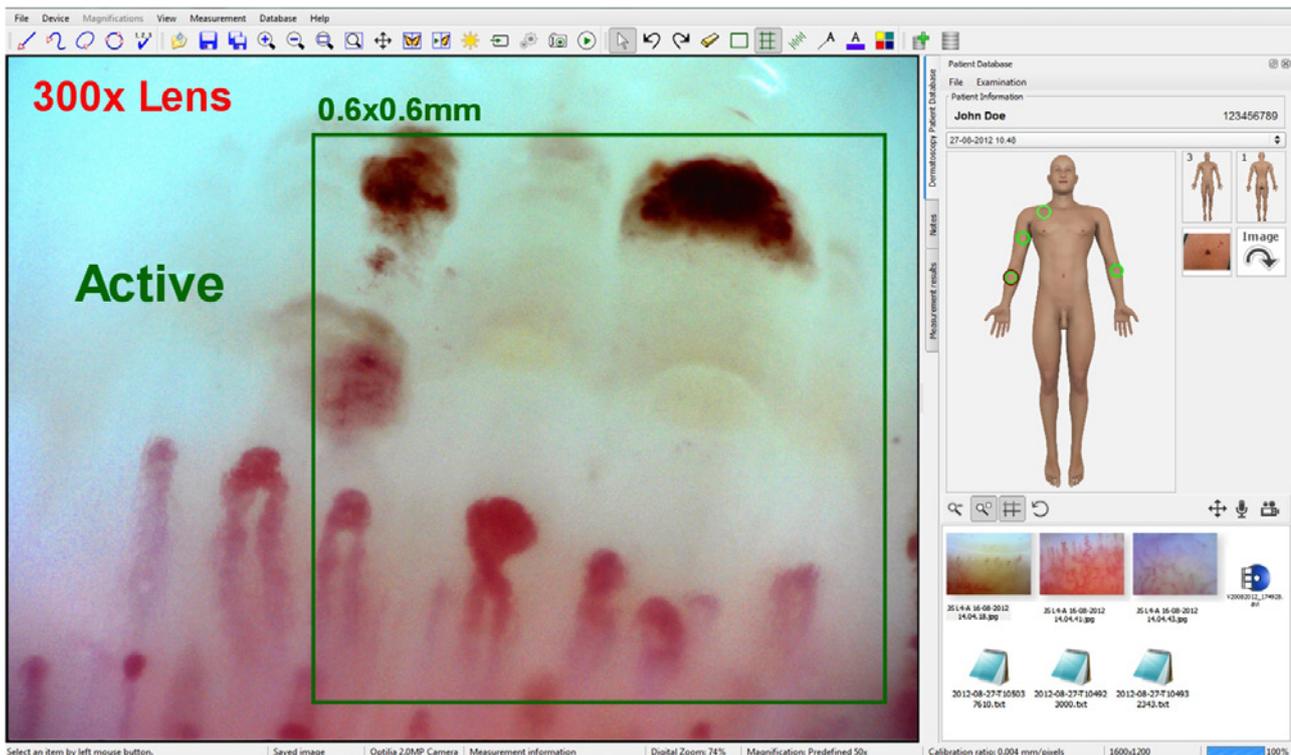
Capillaroscopy Research for **University Hospitals**

CAP Research

Advanced Body Mapping
Hand Mapping
NVC Examination
Patient Journal
Follow-up
Analyse
Annotate
Report
Archive

The only universal solution for Capillaroscopy including but not restricted to NVC. In addition to the NVC hand mapping template the program includes full-body mapping templates and can also import and use photos for data base linked mapping.

Includes all the features and capabilities of the Clinic version but opens up the possibility of examining, recording and making measurements on any subject.



OptiPix CAP Research interface

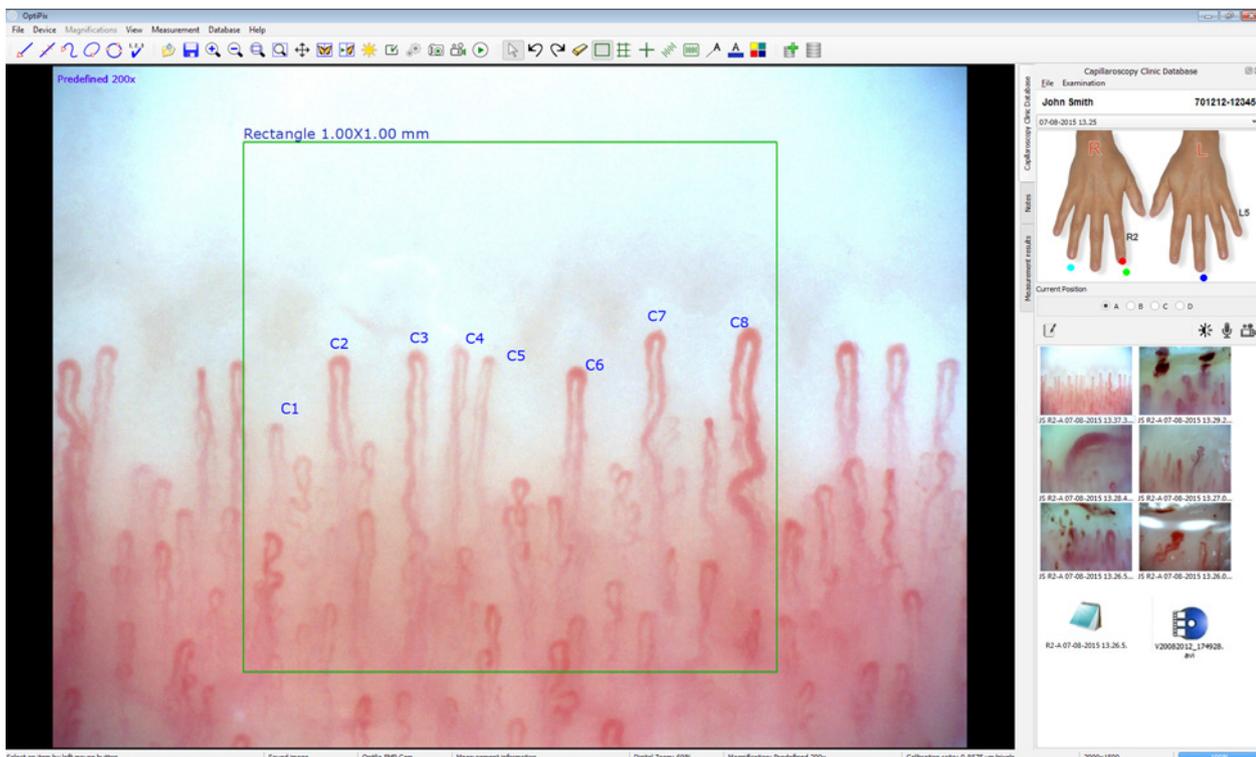
Rheumatology consultant referral for **Hospital Clinics**

CAP Clinic

Hand Mapping
NVC examination
Patient Journal
Follow-up
Analyse
Annotate
Report
Archive

The solution for busy clinics, offering efficient workflows for fulfilling reliable and consistent examinations, according to recognised NVC methods. OptiPix CAP Clinic has a clear and intuitive interface that provides access to a raft of tools such as retrieval of previous examinations, comparison tools and simple PDF report generation.

There are advanced functions for optimising image viewing and video and audio recording tools providing a comprehensive recording capability.



OptiPix CAP Clinic interface

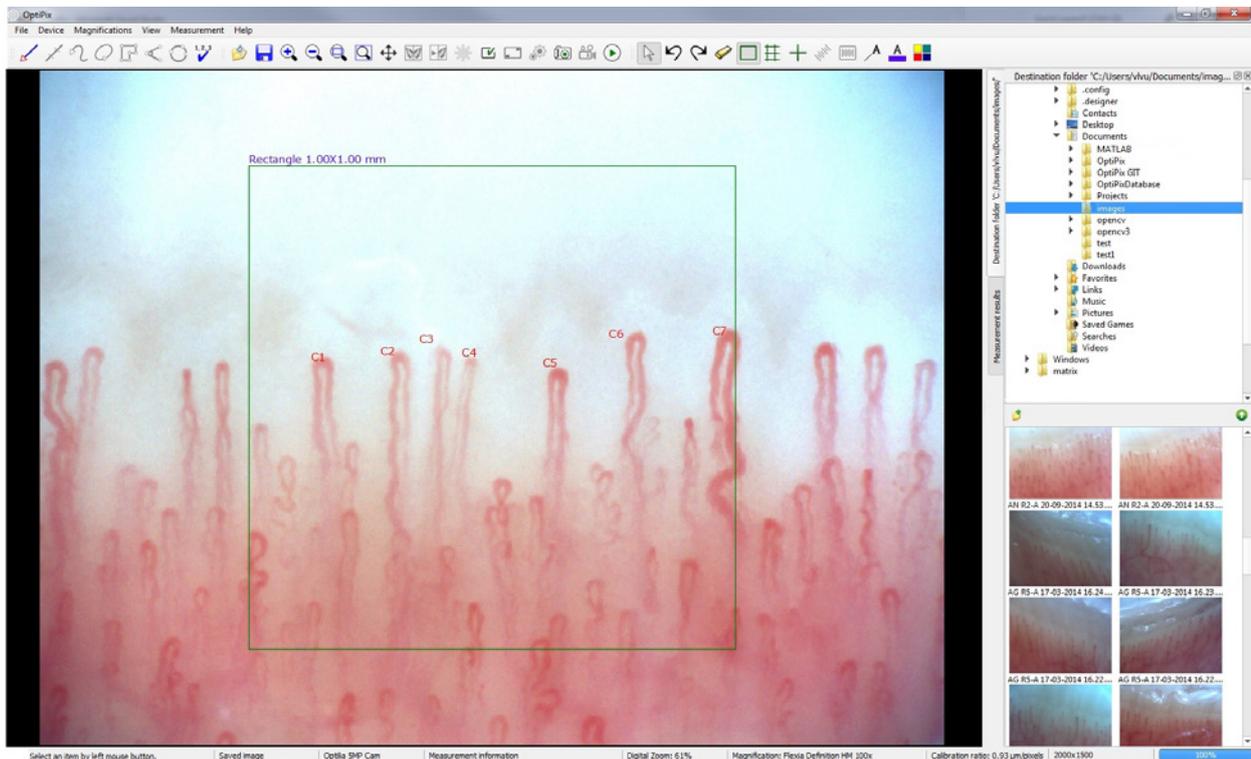
Scleroderma screening for Health Centres

CAP Lite

Image View
Capture
Count
Annotate
Save
Share

This is a basic viewing and image capture program but still includes the essential tools for NVC assessment, linear measurement and assistance to check capillary density.

Easy installation on most Windows PCs. Usually used for quick screening and referral examinations.



OptiPix CAP Lite interface

Software level Comparison Table

OptiPix Features	CAP Lite	CAP Clinic	CAP Research
Database Management			
Encrypted Database		0	0
Case Management		0	0
Advanced Search and Sort		0	0
Create Automatic Reports in PDF		0	0
Dual Database input for Nailfold & WholeBody Capillaroscopy			0
Extra Patient Information Fields			0
Archiving			
File Folder System Management	0	0	0
Open/Save Images with Calibration	0	0	0
Capillaroscopy Specific			
Hand Map		0	0
Body Map			0
Patient Examination Follow-up		0	0
Creating Customisable Report		0	0
Exporting Case		0	0
Compare Image (live and freezed)		0	0
Examination Summary		0	0
CSURI Calculation		0	0
Video Recording		0	0
Audio Memo Recording		0	0
Capillary Image Contrast Enhancement		0	0
Mapping of External Images (Camera photos)			0
Image manipulation			
Flip image vertically/horizontally	0	0	0
Contrast, Brightness and Color Control		0	0
Calibrated Measurements			
Pre-Defined magnifications	0	0	0
Distance Measurement	0	0	0
Count capillaries	0	0	0
Angle and Curve Measurement		0	0
Free-form Area, length and perimeter		0	0
Circle and Polygon Measurement		0	0
Overlays on Live Image			
Adjustable Grid, Crosshair	0	0	0
Adjustable Rectangle	0	0	0
Calibrated Ruler		0	0
Digital Gaticule		0	0
Others			
Annotations on Image	0	0	0
Change Item Size, Colour and Font	0	0	0

The world's leading expert in Capillaroscopy Systems

Aug-15. We reserve the right to modify data and specifications without prior notice.



Empowering Your Vision!

Optilia Instruments AB
Djupdalsvägen 22, 192 51 Sollentuna, Sweden
Phone: +46 8 35 33 60
Email: info@optilia.eu
Web: www.optilia.eu