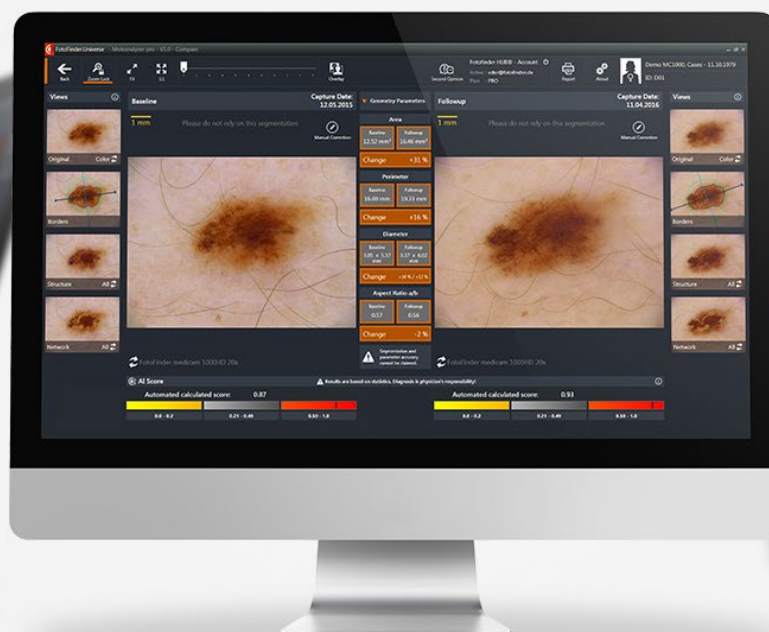




Moleanalyzer® pro

Intelligent Skin pre-assessment

Analysis and Artificial Intelligence

in the early detection of skin cancer

A new dimension in the pre-assessment of skin lesions

The expert software **Moleanalyzer pro** supports dermatologists in the evaluation of melanocytic and non-melanocytic skin lesions and brings Artificial Intelligence (AI) directly into the dermatologist's practice via the optional AI Score (Artificial Intelligence Score).

The tool was developed with the aim of offering specialists a wide range of examination support, from analysis to Second Opinion Service. With the new **Moleanalyzer pro**, FotoFinder offers a high-performance package that is currently the leading technology when it comes to dermoscopy.

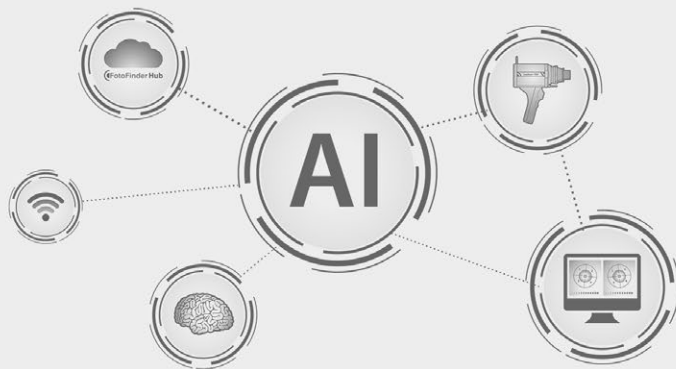
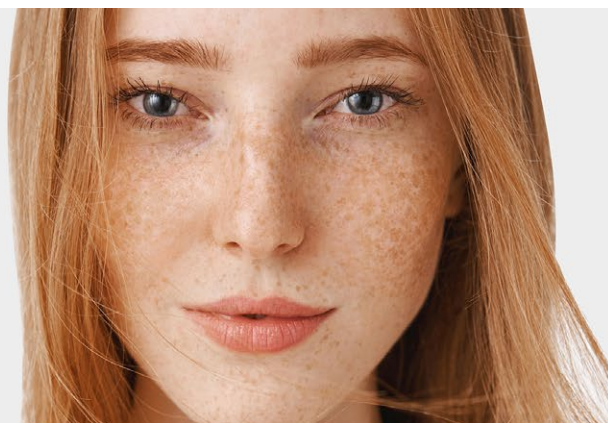
Experience shows that patients have a feeling of increased safety when computer-based examination tools are used.

AI Scoring: Artificial Intelligence meets Human Experience

The expert software **Moleanalyzer pro** combines AI with medical expertise and optionally contains an algorithm based on the Artificial Intelligence of a neural network that allows a pre-assessment of malignancies and continuous AI training. For this reason, the lesion – as individual image or in the image comparison – is classified on a color scale by an automatically generated AI Score between 0 and 1.

The **Moleanalyzer pro** works with probably the most powerful deep learning algorithm, which has been evaluated in clinical trials so far and its performance has been validated („Man against machine“ and „Man against machine reloaded“). Both the high sensitivity (95%) and the reliable specificity (82.5%) show the performance of the algorithm ¹.

¹ „Man against machine“ by H.A. Haenssle et al. Annals of Oncology. DOI:10.1093/annonc/mdy166; ROC curve considering the physicians' average sensitivity of 86.6%. The AI Score is based on statistics. The diagnosis and therapy decision is the responsibility of the doctor!



Moleanalyzer[®] pro Analysis. Comparison. Second opinion. Artificial Intelligence.



Analysis & Segmentation

Visualization of structures

Moleanalyzer pro provides you with a striking visualization of colors, borders, symmetry axes, structure and network of a lesion. You can also view the images in gray-scale mode. Additionally, the software provides detailed information on all parameters and indicates size, perimeter and diameter of the lesion. The automated segmentation provides hints for all criteria.



Image comparison and quantification of changes

Certain lesions have no criteria that allow for a clear, ad hoc assessment based on dermoscopic images. This is where the integrated comparison feature is helpful, which crossfades follow-up images and thus makes changes clearly visible. **Moleanalyzer pro** quantifies the change of area, perimeter and diameter in percent.

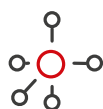


Lesion evaluation

using several checklists

The evaluation according to either one or several proven procedures allows a pre-assessment of the lesion.

Moleanalyzer pro enables the physician an evaluation using the 3-point checklist, the 7-point checklist or the ABCD rule. With just a few clicks, doctors are lead to results that can be visualized in impressive reports.



Second opinion from renowned experts

For each lesion, a second opinion with diagnosis and differential diagnosis by renowned experts can be requested – directly from the **Moleanalyzer pro** software. Results of the Second Opinion Service can be printed as PDF files or on paper.

Technical requirements

The **Moleanalyzer pro** basic module with segmentation, checklist evaluation and image comparison is part of the **ATBM master** and already covered by the software license.

In addition, it is possible to activate the Second Opinion Service by experts as well as the pre-assessment by the AI Score. Both services require a **FotoFinder Hub** Account.

The second opinion by experts is charged per case. Credits can be purchased directly in the **FotoFinder Hub** portal.

The pre-assessment by means of the AI Score can be used for a monthly flat rate. A **FotoFinder Hub** 'Pro' account is required. This account entitles the user to rate an unlimited number of images supported by the Artificial Intelligence within the purchased run-time. The AI Score can be used with a monthly or yearly subscription.

Registration: www.fotofinderhub.com

Feature overview

- Automatic segmentation, analysis of structures
- Lesion evaluation according to the 3-point checklist, the 7-point checklist or the ABCD rule
- Image comparison with visualization of area development and quantification of changes
- Clinically validated pre-assessment by AI scoring with Artificial Intelligence (optional)
- Second Opinion Service by renowned skin cancer experts (optional)