



**Revolutionising the detection of malignant
dermatological lesions**

Design and commercialisation of artificial intelligence algorithms for image and clinical data analysis.

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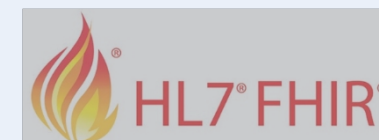
REGULATIONS

ENS

ISO 13485, 27001, 9000

EC DECLARATION OF CONFORMITY ACCORDING
TO MEDICAL DEVICE DIRECTIVE 93/42/EEC AND ITS
AMENDMENT 2007/47/EC

HL7 FHIR



AN UNMET CLINICAL NEED

- Skin cancer is the most common cancer in white populations.
- Melanoma, the most dangerous disease, causes more than 9,000 deaths per year, mainly due to late diagnosis.
- Early detection makes a difference; however, it is commonly performed only in people with risk factors.

quantusSKIN is a non-invasive, fast and easy-to-use test for the detection of malignant dermatological lesions from dermoscopic images. Its technology is based on quantitative analysis of dermoscopic image texture. By simply analysing and classifying images, quantusSKIN determines the risk of malignancy of the skin lesion within minutes.



NON INVASIVE



SAFE



FAST



COMPATIBLE

How to use quantusSKIN?



**1. Acquiring a
dermoscopic
image**



**2. Upload the
image to the
web application**



**3. Getting
the results**

Step 1: Acquire a dermoscopic image

quantusSKIN requires a skin image in JPG or PNG format captured with a smartphone, SLR camera or similar, always without active light filters. A dermatoscope can also be used as long as no size or magnification markers or light filters are used.

How to use quantusSKIN?

Step 2: Use the web application to analyse the images

This application is a simple tool that allows you to send the images you want to analyse to the system. To do this, you only have to follow three simple steps to complete the analysis:



Upload images to the web

(The) (images)
desired
to be analysed

The sample to be analysed



Step 3: Get the result of the application via a results report within a few minutes.

When to use quantusSKIN

quantusSKIN is a non-invasive, quick and easy-to-use test for the detection of malignant dermatological lesions from dermoscopic images. www.quantusSKIN.org

quantusSKIN has been designed with a clear focus on the general population, and aims to be a tool for the detection of malignant skin lesions (melanoma, basal cell carcinoma or squamous cell carcinoma), being of great help in the screening of patients with risk factors and prioritisation of waiting lists.



Its technology is based on quantitative analysis of the texture of the dermoscopic image. By simply analysing and classifying the images, quantusSKIN determines the likelihood of skin cancer within minutes.

quantusSKIN classifies skin lesions as benign or malignant, without (or in addition to) the need for visual inspection by a specialist using a dermatoscope. The specialist classifies the images using visual patterns and quantusSKIN gives a percentage risk of malignancy.



Why does quantusSKIN work?

In recent years, research has focused on automatic algorithms to improve current clinical diagnosis from images. The rise of Artificial Intelligence techniques has increased the number of studies using such algorithms in diagnostic dermatology.

quantusSKIN is presented as a novel Artificial Intelligence method, based on Deep Learning. Several studies have proven the correlation between the quantitative analysis method proposed by quantusSKIN.

The technology is based on a quantitative analysis of the texture of the skin nevus image obtained using a smartphone, reflex camera or dermatoscope. This analysis makes it possible to identify patterns associated with specific pathologies and to determine the risk of skin cancer.

According to the literature, the various tests and tools used by the dermatologist give an individual sensitivity of 75-84%; whereas quantusSKIN has obtained a sensitivity of 89.6% in its tests.

Sensitivity	Specificity	PPV	NPV
89,6%	85,2%	52,6%	97,8%

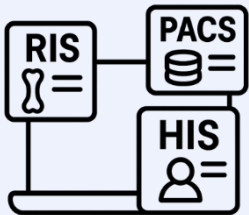
An experience without limits



Unrestricted **access**: Through an internet connection it is possible to use quantusSKIN and review the results at any time and from anywhere.



No installation: no software download required.



Our service enables seamless integration between **HIS**, **RIS** and **PACS** systems, optimising clinical work and ensuring centralised and secure access to medical information.



Broad compatibility: quantusSKIN is compatible with most web browsers as well as devices used in primary care practice.



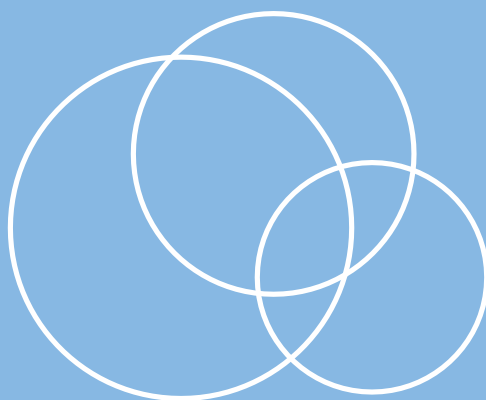
RESTful web services: HL7 FHIR compliant



Pay-as-you-go: Pay only for each test you order

They collaborate with us







Developing tomorrow's medical technologies today