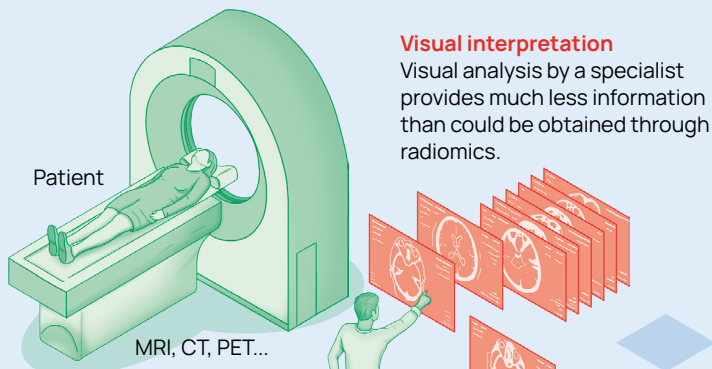


Radiomics

How it works





Visual interpretation
Visual analysis by a specialist provides much less information than could be obtained through radiomics.

Image Acquisition
Everything starts with patient imaging studies acquired at hospital centers.

Radiologist
Imaging study

Upload to the platform
The images are uploaded to a secure cloud for in-depth study, ensuring patient anonymity.

QP-LINK

Manual or automatic upload

Quality control
Quality control is applied to discard those errors and artifacts that could affect the analysis.

Data standardization
The format of the patient data accompanying the image is unified, ensuring it is valid, consistent, and complete.

PROCESSING

Image harmonization
Since the data comes from diverse sources, they are equalized to be homogeneous and comparable.

QP-INSIGHTS
Patient images and data are stored in a platform with various functionalities.

Image visualization and annotation

Clinical question
What health problems do we want to solve? For example, predicting the best treatment for a specific type of tumor.

Image data extraction
AI algorithms and image analysis to detect organs, lesions, and their characterization, obtaining thousands of new data points.

Data integration
The data obtained from the images is combined with the patient's clinical, demographic, laboratory, and molecular data.

DEVELOPMENT OF A PREDICTIVE MODEL

Predictive model
All the data is used to train predictive models based on artificial intelligence to answer the clinical question.

Prediction
The ultimate goal is to develop a model that predicts new patients.

Research centers
Use the platform to analyze large amounts of data and thus develop new research.

Pharmaceutical companies
With predictive and prognostic models, they design clinical trials to improve the safety and efficacy of new drugs.

MAIN USERS

Hospital centers
Use radiomics to enhance the way they diagnose and treat their patients.

Equipment manufacturers
MRI, CT, and PET equipment integrate algorithms and software into their hardware to process and interpret images.

Image analysis

Studies, clinical trials, research projects

Archiving of images and other patient data

AI algorithms

Medical devices
Several models that precisely analyze various diseases and improve treatment are being commercialized.

CLINICAL APPLICATIONS

Metabolic diseases
QP-Liver

Clinical action
The model's predictions help make better diagnoses or select the best treatment.

Immunology
QP-axSpA

Neurology
QP-Brain

Oncology
QP-Breast
QP-Lung
QP-Prostate



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