PAIRE | AMG MEDTECH

Augmented Nuclear Medicine

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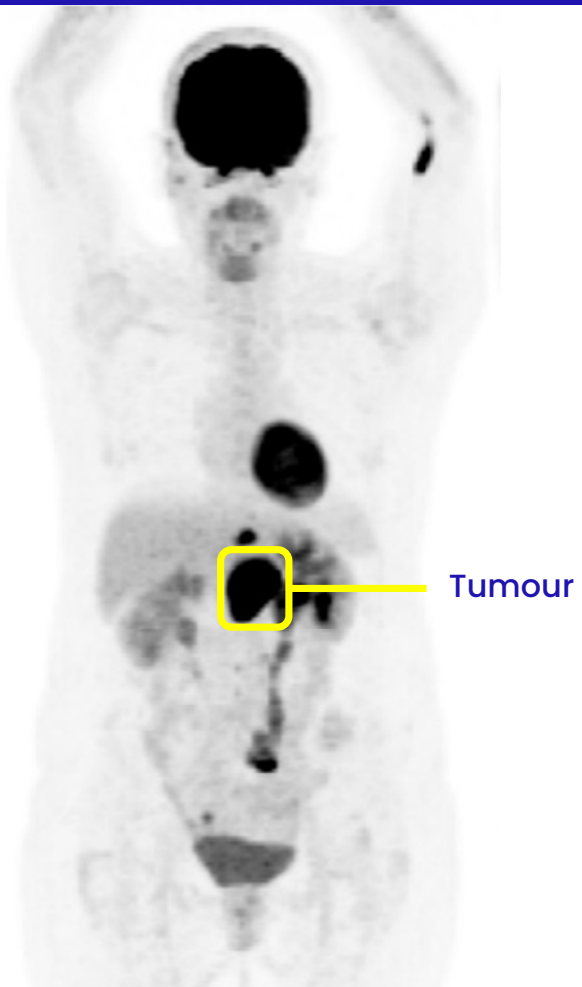
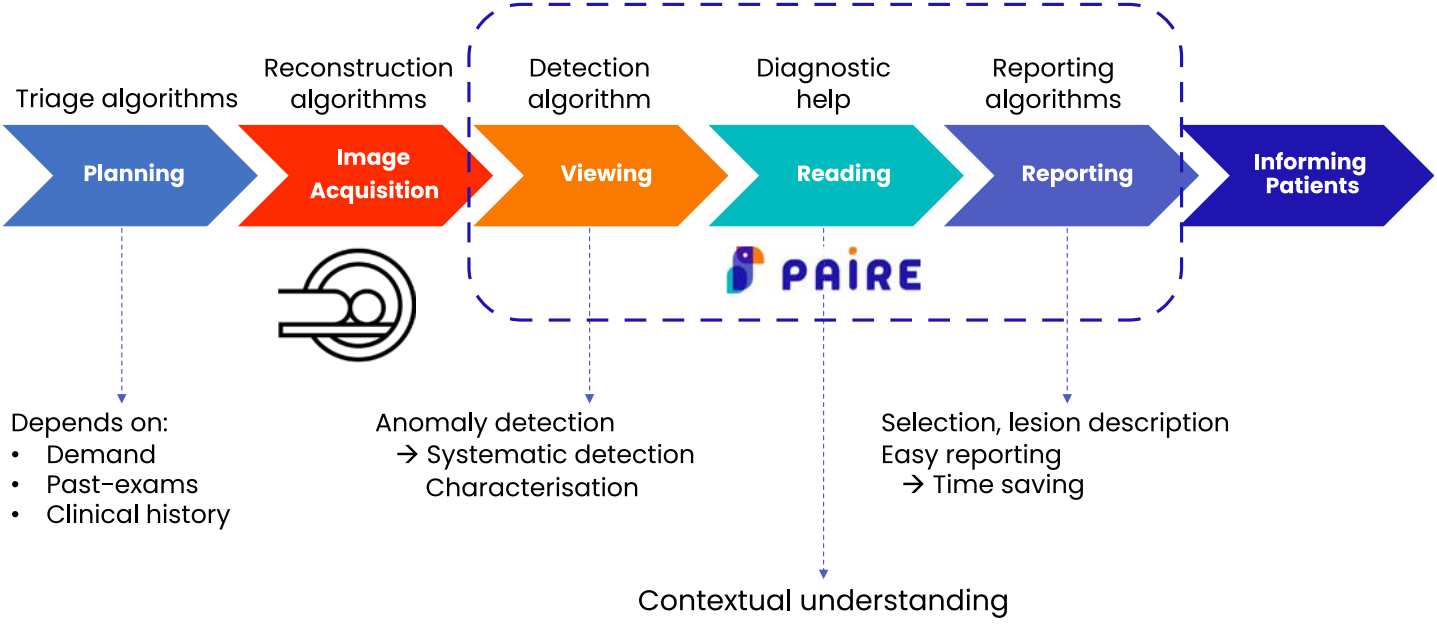
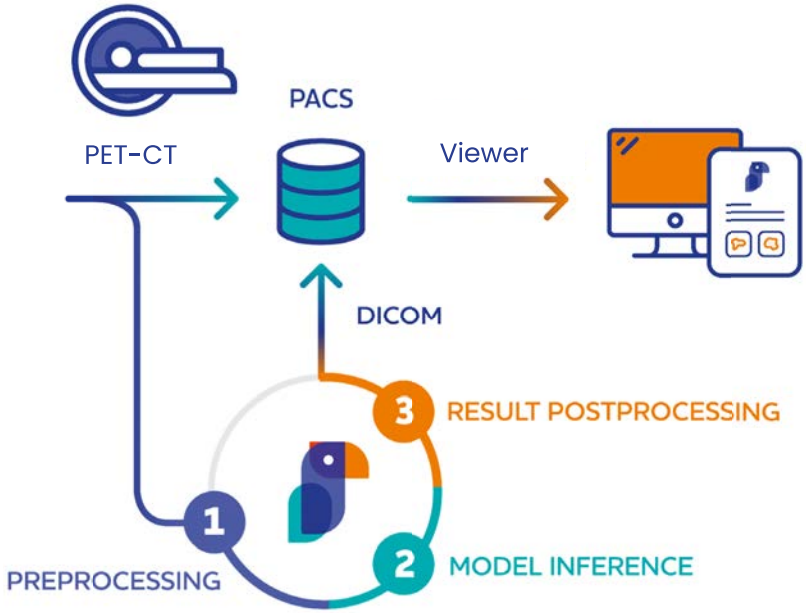
PET-CT examination is
the Gold-Standard
for diagnostics/follow-up
in oncology



Help the clinician during interpretation



An integrated solution



Quick setup Compatible with every manufacturer

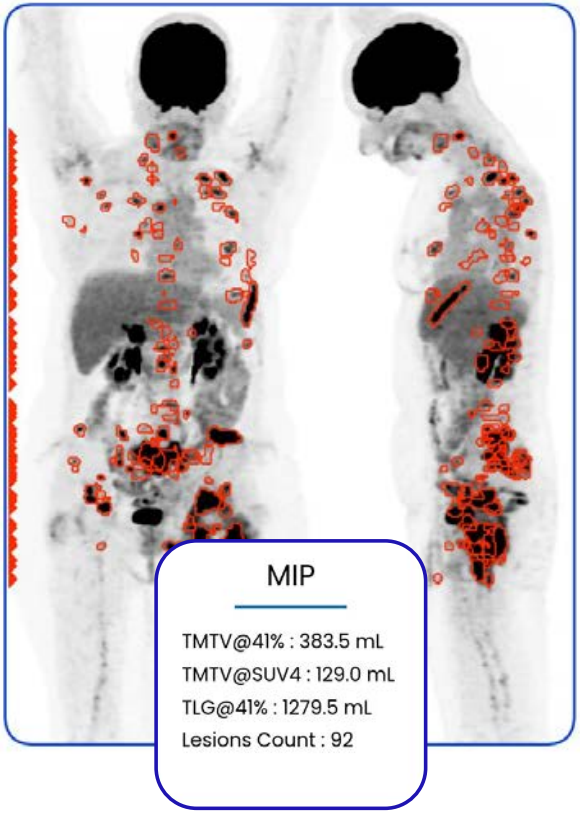
Fully automated

Results in less than 5 minutes

The first and only AI solution in Nuclear Medicine

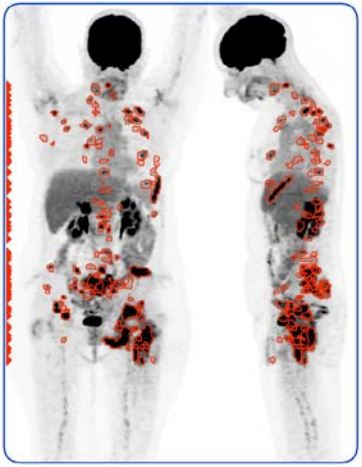
Automatic detection
All lesions
High sensitivity
Indicators computation
TMTV, TLG, etc.

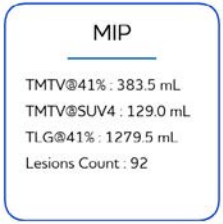
Leveraging
DEEP-LEARNING **to**
REDUCE THE AVERAGE
time for interpretation.

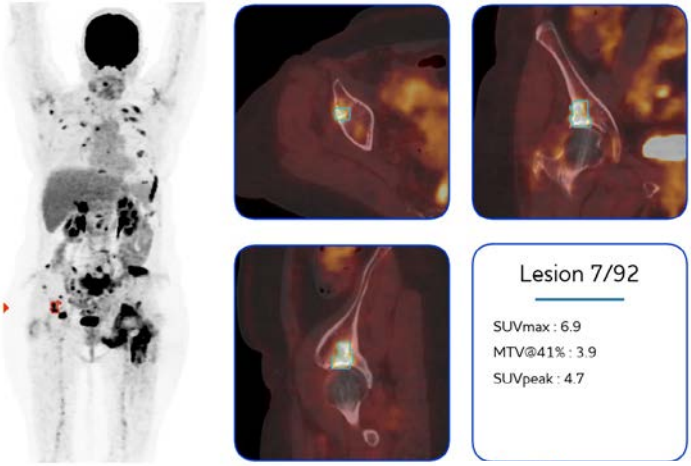


⚠ Warning: these results are generated automatically and need to be reviewed by a board certified nuclear medicine physician.

MIP and Key Images



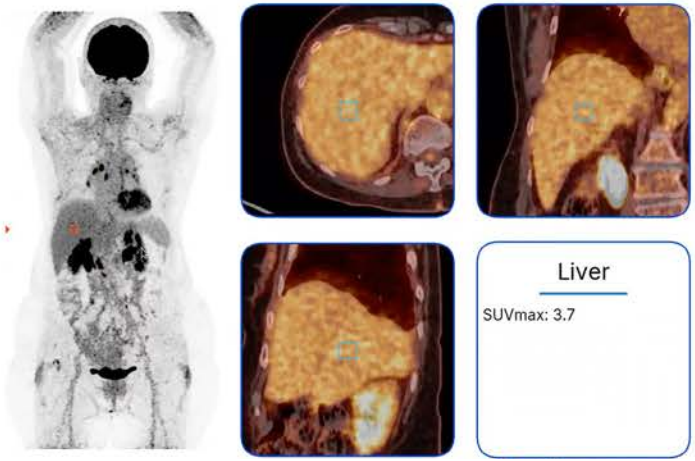




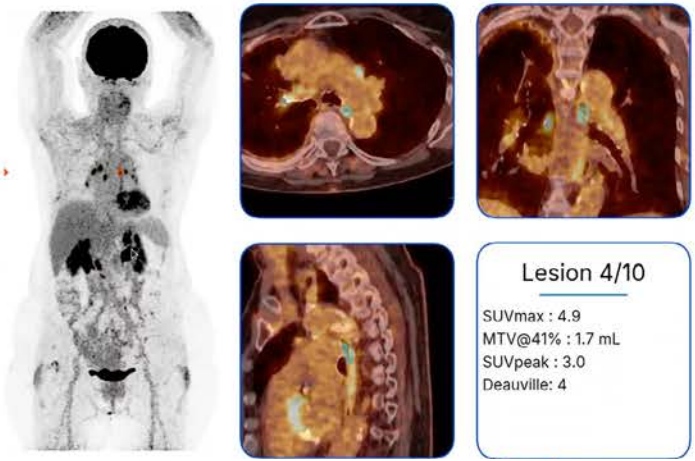
The MIP: acts as a summary, useful to quickly understand the state of the patient or verify that every lesion has been described.

Key Images: one key image per lesion, gives instant access to lesion position and quantification, used to save clicks and be used in the report.

Automatic Lugano criteria

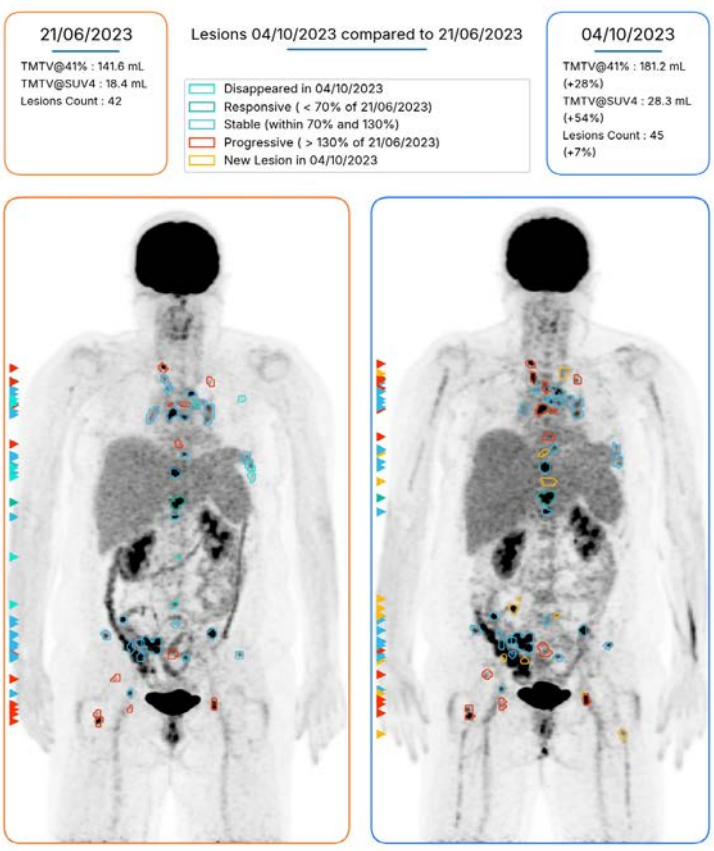


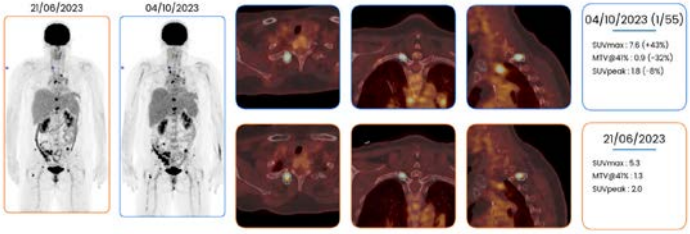
Organ segmentation
(blood pool and liver)
and SUVmax quantification.



Key image creation with
quantification and automatic
Deauville score.

Multi-timepoint analysis





Handling multiple timepoints for treatment response evaluation

Colour coded for lesion evolution:
Green for reduction/disappearance
Blue for stable
Yellow for appearance
Red for increase

Evolution of Tumour Burden (TMTV)

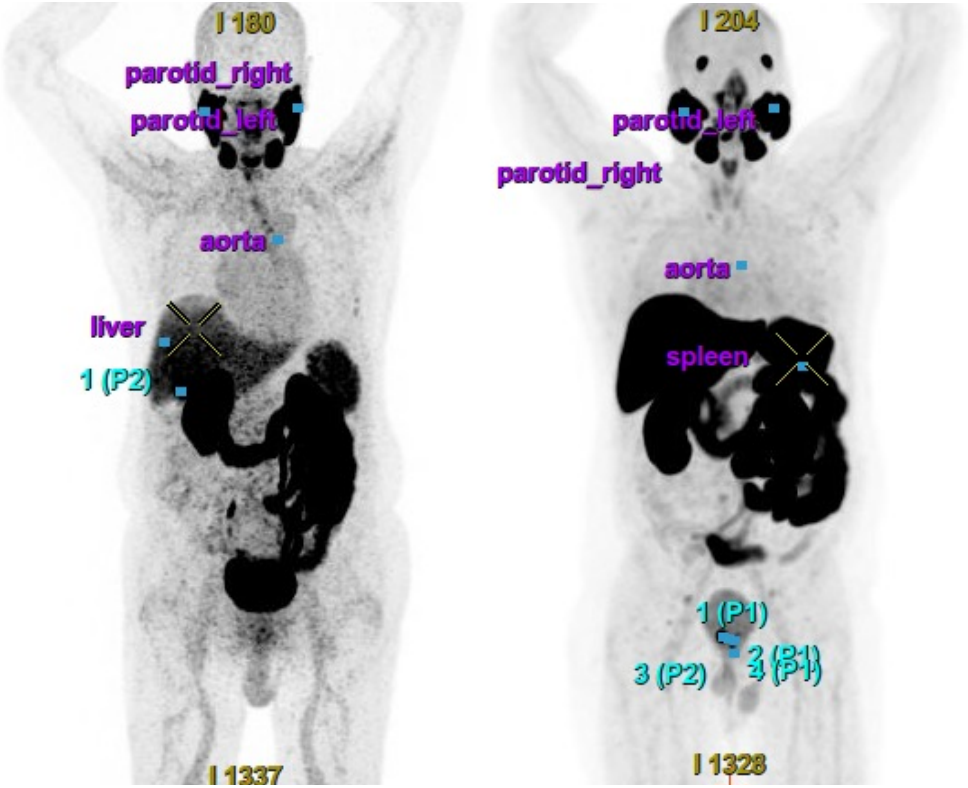
Key images for each lesion

A step towards “frictionless” integration

Lesion quantification output directly into the images

3D rendered lesions directly into the viewer

One algorithm for all PSMA

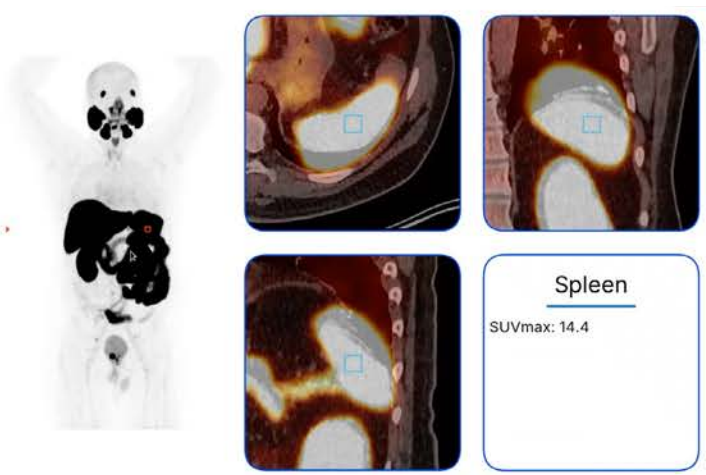


Transfering our FDG model on PSMA:

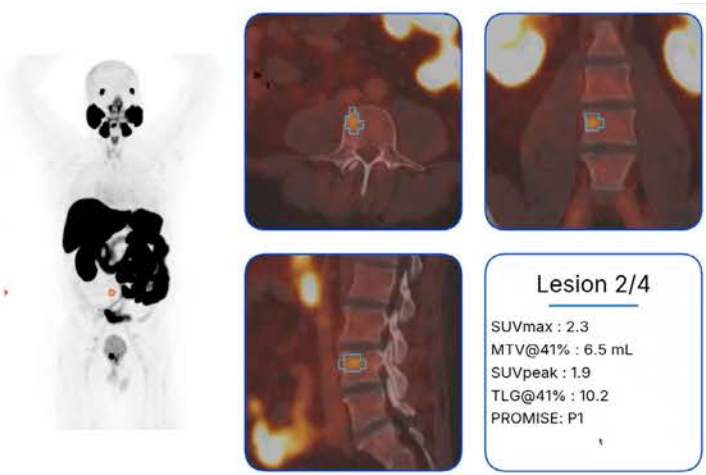
- High sensitivity
- Automatic recognition of physiological uptakes

Compatible with all different PSMA, Galium or Fluor

Detecting is not enough



Organ segmentation
and SUVmax computation



Key image creation with
characteristics and automatic PROMISE score

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