

Elements of the device

Electronic components



P-BOX
and accessories



P-SCREEN
and accessories



3 x SENSORS
and accessories

+ IT accessories
(desktop screen, keyboard, mouse, CD-DVD reader)

SENSOR Accessories



2 x SENSOR SHELL



SENSOR SHELL KEY

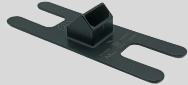


2 x FUNNEL

SENSOR SHELL HOLDER



2 x HOLDER BASE



H-COMPASS



MAPPERS
(4 sizes)

Calibration

Instruments

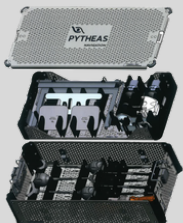


PROBES
(3 models)



2 x RATCHET

Tray



STERILIZATION TRAY

Sterilizable and reusable

PYTHEAS Your Guided Trajectory

Assistance device for pedicular screw placement

For open surgery in posterior approach

Thoracic, lumbar and sacral levels

In brief

- Minimal X-ray exposure
- Cost effective
- No consumable
- Compact, intuitive and portable
- 1st prize for innovation in orthopedic surgery French National Academy of Surgery

More information



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PYTHEAS
DYNAMIX



PYTHEAS

Your Guided Trajectory

sept 26 Do not litter on public roads



French National Academy
of Surgery



1 - Patient case creation

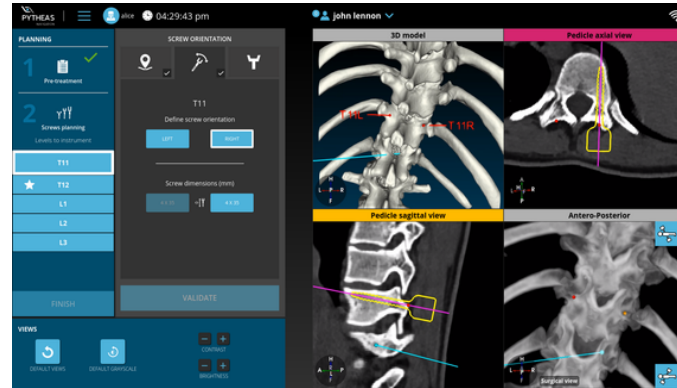
2 - CT Scan import



Maximum distance between pixels: 0.8mm
Maximum slice thickness: 1.25mm
Maximum distance between slices: 1.25mm

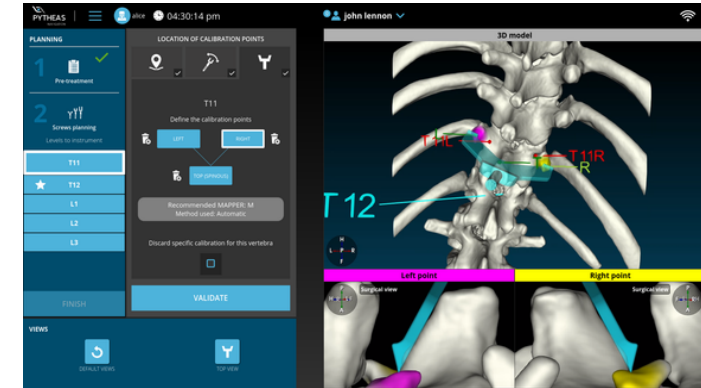
3 - Selection of levels

4 - Screw planning



- Entry points
- Screw orientation
- Screw models

5 - Specific calibration planning



- Calibration points (3 / vertebra)

6 - Patient case saving

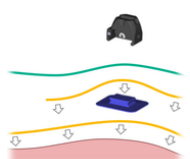


1 - Patient case loading



2 - Installation

SENSOR HOLDER BASE P-SCREEN



3 - Spine exposure



3 - Initial calibration



Global Mode



4 - Pedicle selection

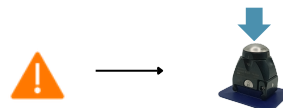
5 - Specific calibration - Recommended



Specific mode



Monitoring & fast recalibration



Calibration update

6 - Entry point identification - Visual analogy

7 - Angular guidance

Canulation → Tap → Screw

