

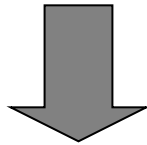


ALL-IN-ONE
Patient Positioning System.
2nd Generation

Created by Dr. Kati Hideghéty

Modern radiation oncology poses enormous challenges:

- Targeting the tumour and preventing damage to healthy tissue.
- Increasing the physical selectivity of the treatment.

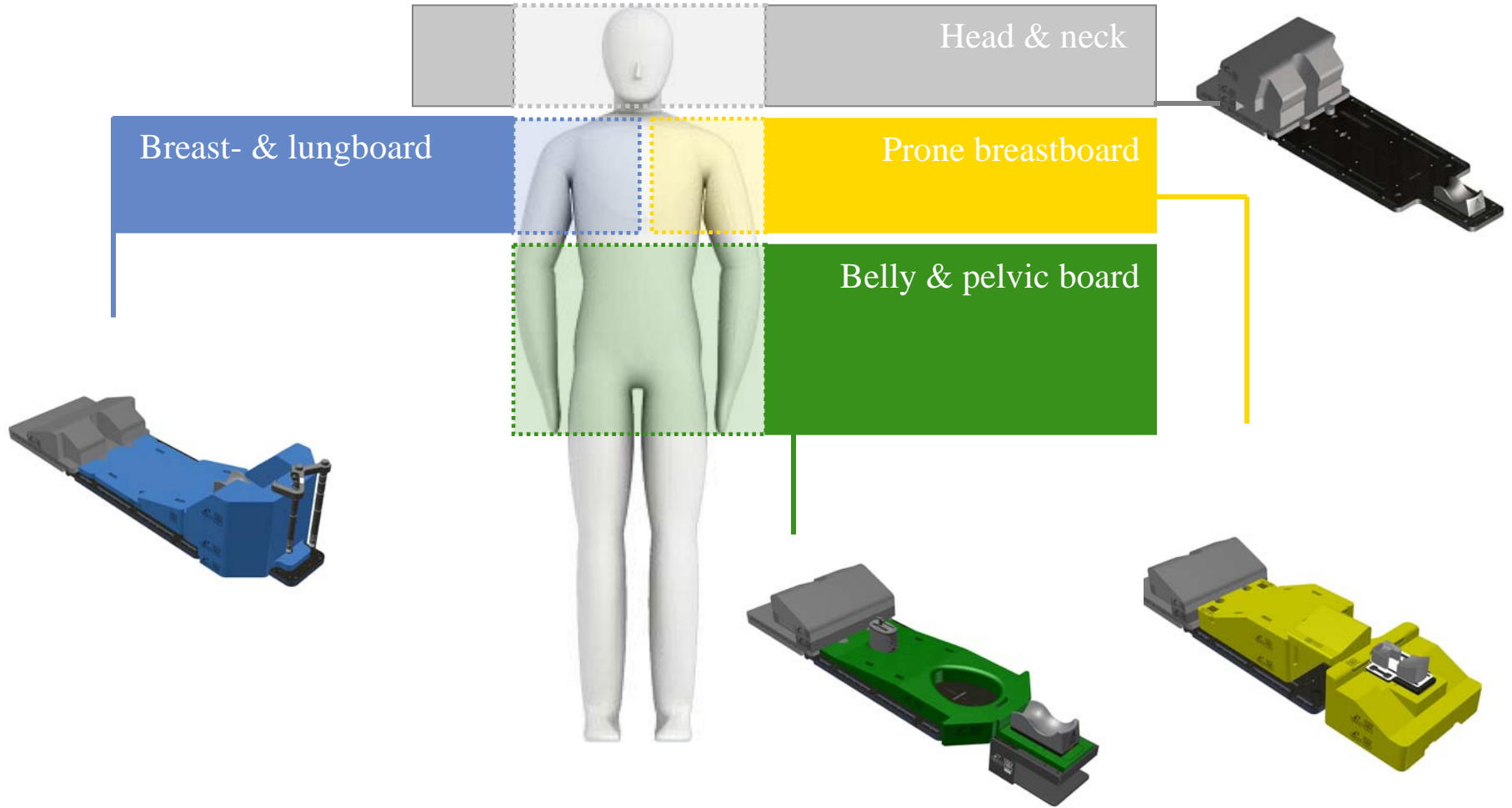


- The stability and reproducibility of patient positioning is extremely important for a precise treatment.



The AIO solution[®] offers the following:

- Exact reproducibility of the patient's position in imaging and therapy.
- High level of patient comfort.
- Precise immobilization of all body regions.
- Reduction of patient set-up time.
- Reduction of risk of random and systematic errors.
- Increase ease of use for the staff.
- Increased possibilities with IMRT and IGRT.





AIO High Precision base plate:

Base plate with a reproducible positioning solution for all body regions.



Art.N°: 32301

Head supports, blocks and wedges:

- Increased reproducibility of the patient's position.
- All Raycast® High Precision head supports, blocks and wedges are indexed to the base plate:
 - Head rest with cranial stop and support of the neck curvature.
 - Possibility to raise, flex or extend the position of the patient's head.
 - Perfect compatibility with the other Raycast® base plates (for patient transfer from one couch to another).





The head & neck package





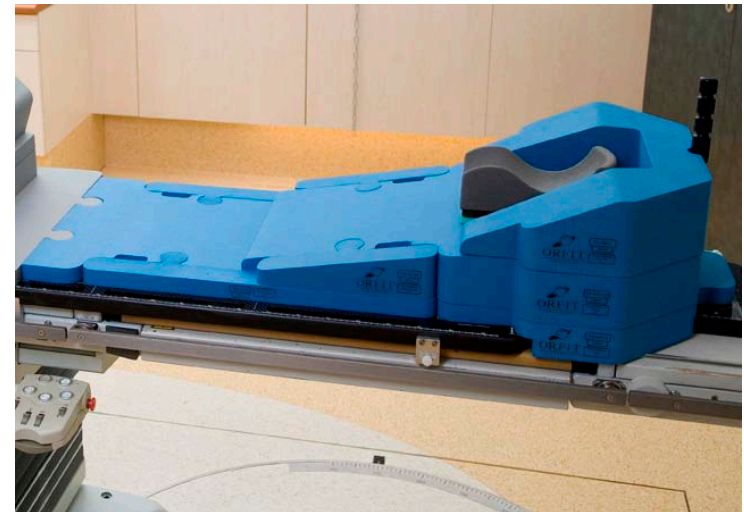
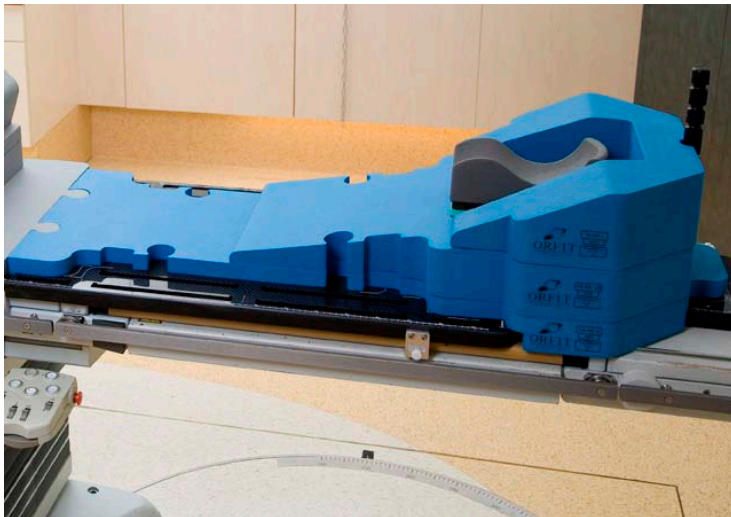
The AIO Solution[®]

The Breast- & lungboard package



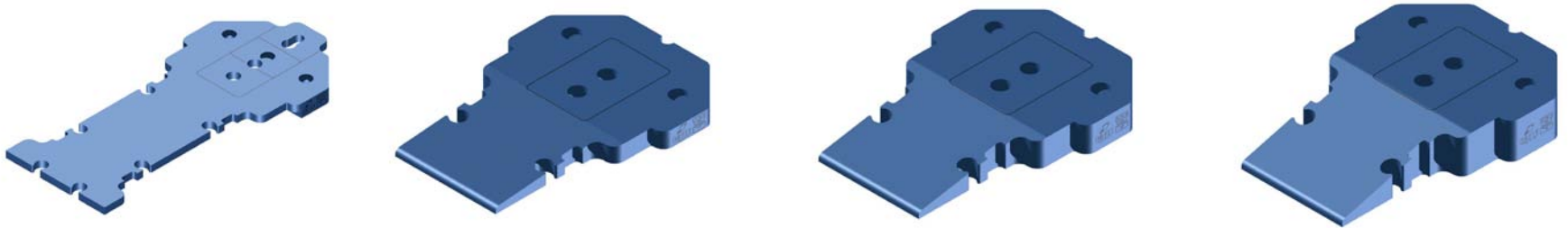


- All cushions are made of a low density foam with excellent dosimetric properties ($\delta \approx 30 \text{ kg/m}^3$).
- The cushions have a coating that is patient friendly and hygienic (can be cleaned with soapy water or alcohol based disinfectants).
- Each set can be adapted in width to accommodate all patient sizes by means of lateral supports.



The Breast- & lungboard package

- 0°, 5°, 10° and 15° angled wedges to lift the upper body of the patients and thereby facilitate breathing.



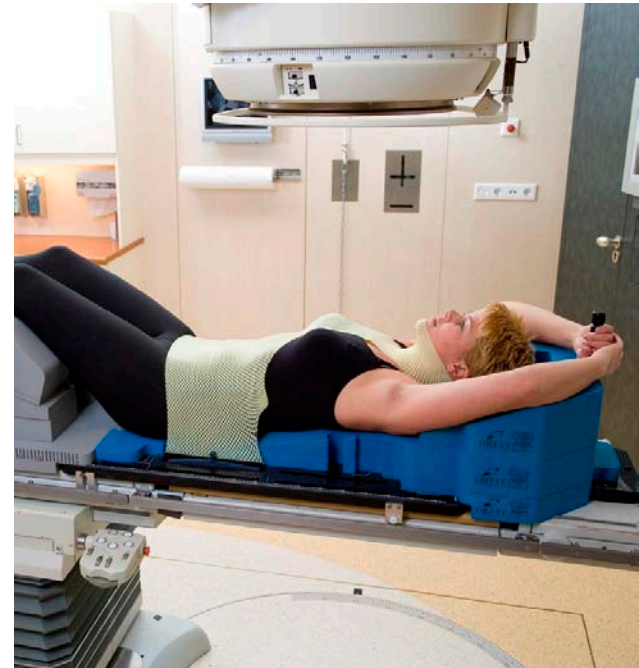
- The coating of the cushions prevents the patients from sliding down.
- All cushions are indexed to the AIO base plate.

The Breast- & lungboard package

- Specially developed Efficast[®] masks can be used in combination with this set to increase the precision of the treatment.



4-point thorax supine mask



5-point asymmetric breast mask



The AIO Solution[®]

The Prone breastboard package



The Prone breastboard package

- This setup keeps the ipsi-lateral breast away from the chest wall and the underlying tissues.
- The support wedge on the tunnel plate (carbon fibre covered with a cushion) will help in limiting the volume of the sternum and contra-lateral breast tissue that will be caught in the radiation fields.

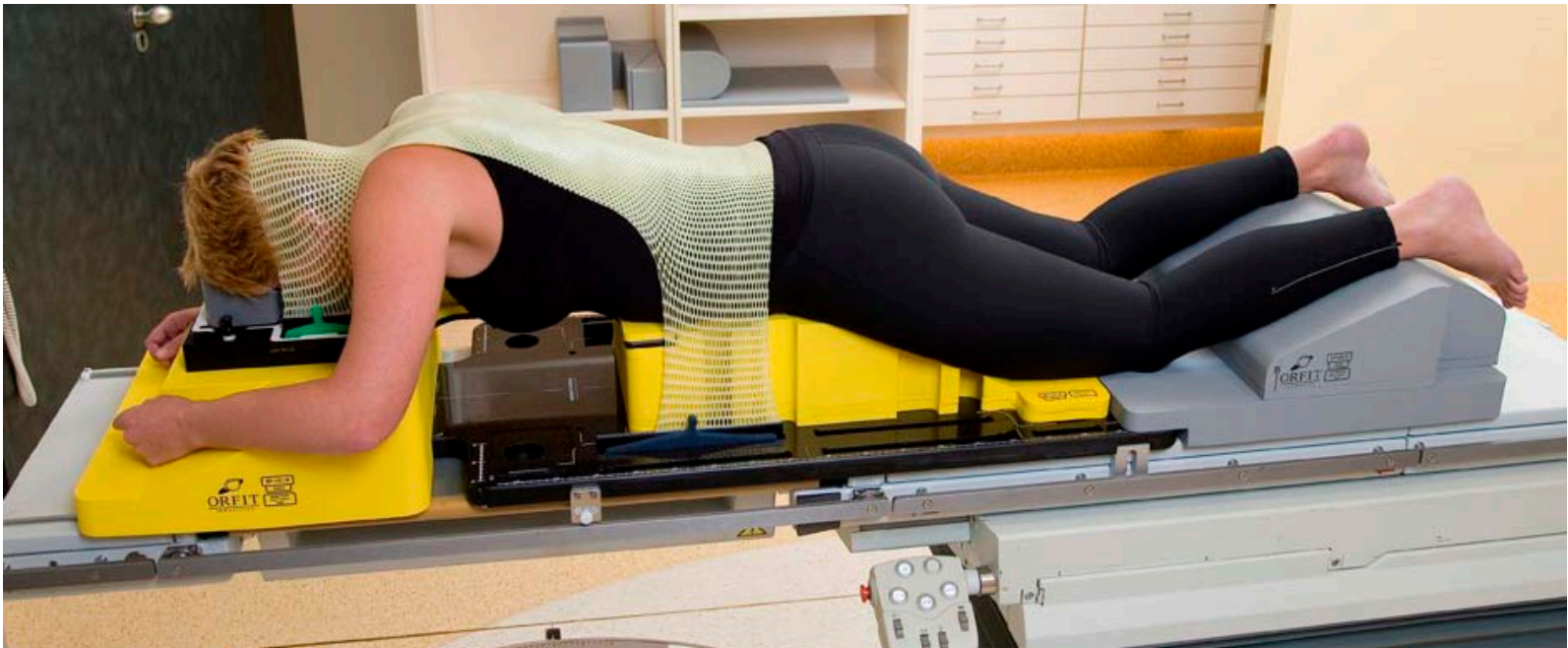




The AIO Solution[®]

The Prone breastboard package

- Specially developed Efficast[®] masks can be used in combination with this set to increase the precision of the treatment by limiting the rotational and translational movements.





The AIO Solution[®]

To spare lung and heart tissue: prone positioning





The AIO Solution[®]

The Belly & pelvic board package

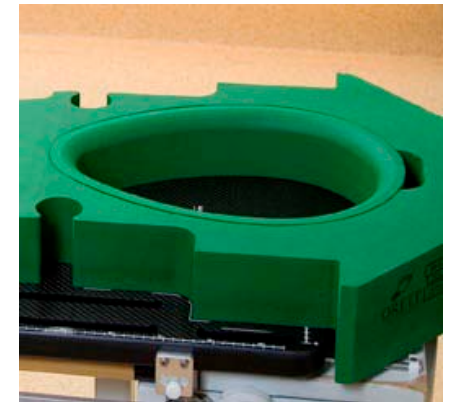
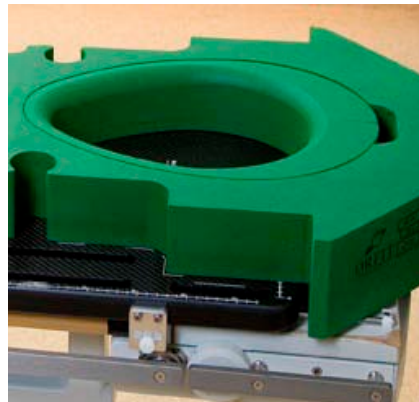
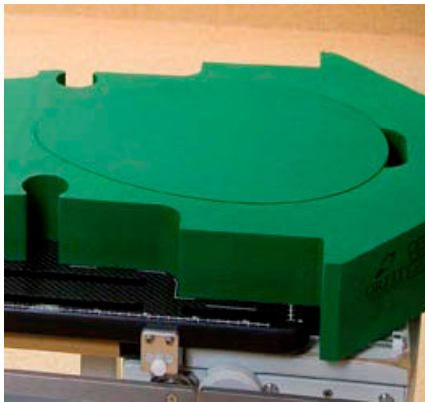




The AIO Solution[®]

The Belly & pelvic board package

- The opening in the belly board can be fitted with three sizes of belly inserts for different sized patients.
- These inserts are made of softer foam to reduce pressure on the patient's body.

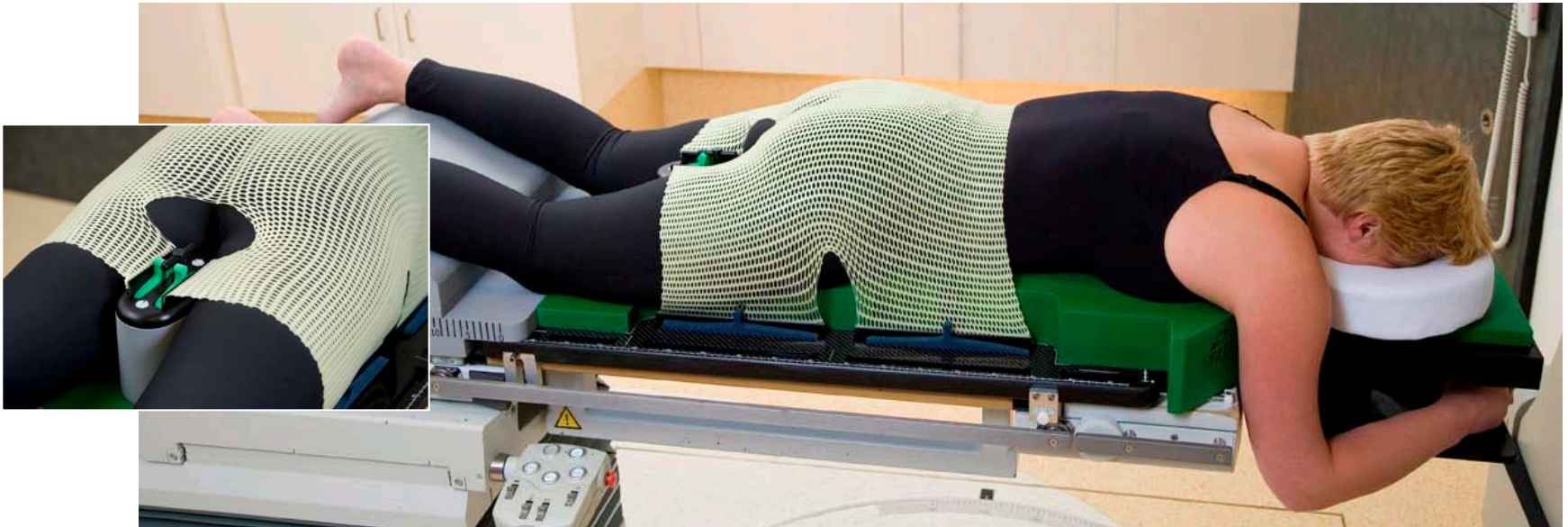




The AIO Solution[®]

The Belly & pelvic board package

- Possibility to fix 4- and 6-point Pelvicast[™] masks.
- Leg Separator can be inserted after the patient has mounted the cushion, to fix a 6-point Pelvicast[™] mask. This further increases the precision of the position.





The start of a new
era in patient
positioning
and fixation.