



Innovative Technologie Völp



# TBI STEP

PRODUCT INFORMATION

[www.it-v.net](http://www.it-v.net)

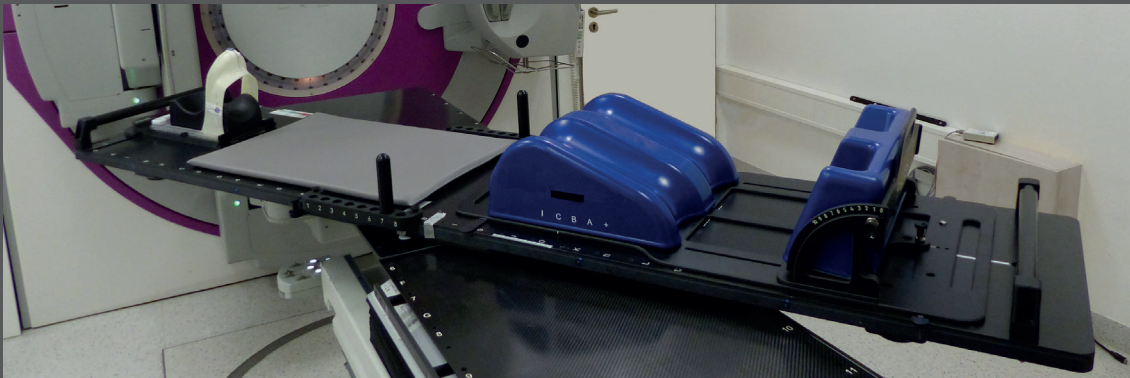
# WHY TBI STEP

The homogeneous dose distribution with simultaneous maximum protection of healthy tissue and organs at risk represents one of the greatest challenges in total body irradiation (TBI) in VMAT- technology.

From a height of approx. 120 cm, this is not possible in one patient orientation (e.g. HFS) for technical reasons. This means that a mandatory change to the FFS is necessary.

The **TBI STEP** enables this change without the active help of the patient by a rotating the table top by 180° with the help of the appropriate adapter and handles on the Linac table. This makes it possible to carry out the irradiation in an acceptable period of time with the greatest possible patient comfort with a maximum of 5 isocentres and without the risk of field overlaps.

An individual, external shielding of the OARs is unnecessary due to the VMAT- technology. The integrated indexing system offers optimally reproducible positioning of the patient by means of common positioning devices.



# TBI STEP

Rotatable Table-Top for TBI in VMAT



- » homogeneous dose distribution over the whole PTV by using VMAT-technology
- » best possible protection of healthy tissue and OARs without using external shields
- » no active change of the patient from HFS to FFS necessary
- » simple rotation of the **TBI STEP** in a few seconds by means of handgrips
- » Minimization of unexpected patient movement through use conventional positioning devices
- » precisely reproducible positioning of the patient
- » Avoidance of incorrect isocenter shifts
- » Avoidance of gantry-couch collision by using permitted Isocentric coordinates

## System TBI STEP Komponenten:

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**P10107-614** CT STEP Basic Module 2,40m

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**P10107-613** CT STEP Basic Module 2,10

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**P10107-527** TBI Adapter CS

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**P10107-409** Indexing Bar 14 Carbon (set of 2)

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**P10107-511** Hand Grip Pole (left & right)

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