Nemo X
by Needlesoft

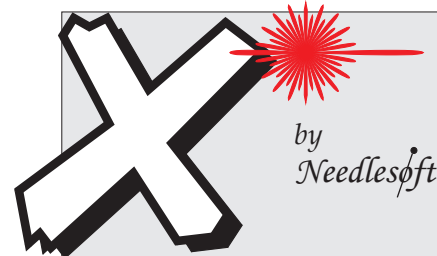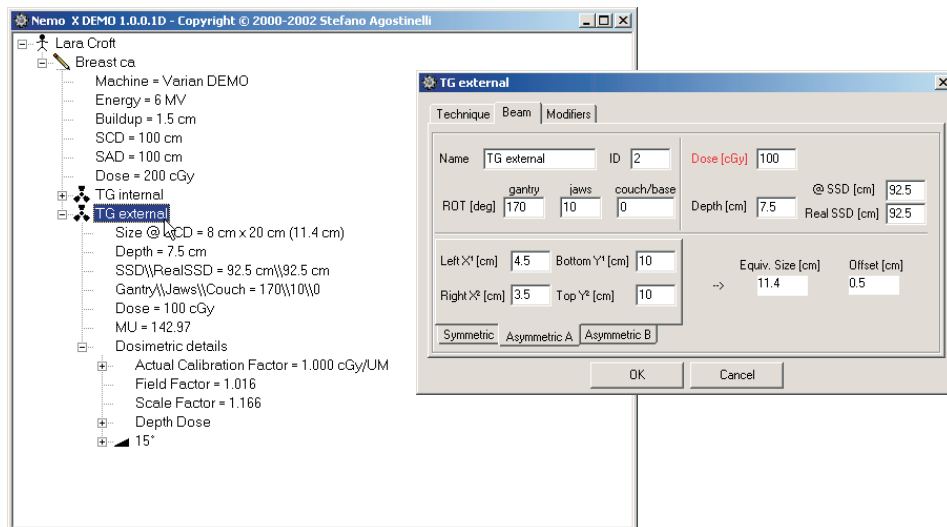## MU calculation for Radiotherapy

"Treatment Planning Systems should be checked with an independent MU calculation software" *ESTRO Booklet #6*

With Nemo X you can perform MU calculation for treatments not requiring full CT planning or check TPS MUs just with a click!

Nemo X MU calculation routine let's you introduce several beam modification factors including:

- **rectangular fields**
- **asymmetric fields**
- **wedge filters (inc. universal)**
- **blocked beams and trays**
- **multileaf collimators**
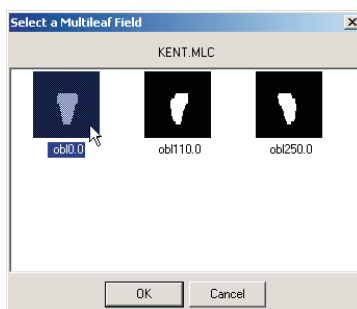
Features:

☒ MU computation for:
- photon beams
- e⁻ beams
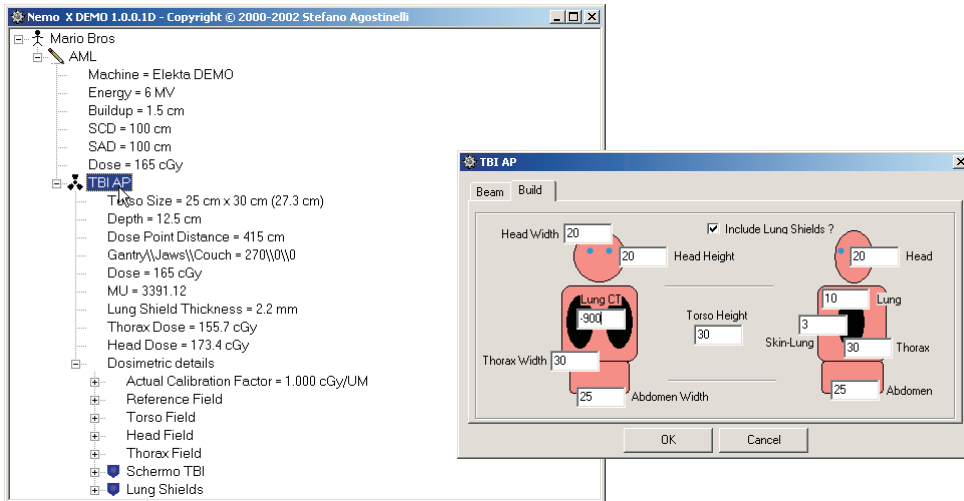- TBI beams

☒ Point 'n click Windows UI with print support

MU calculation details:

☒ Treatment units:
- ^{60}Co units
- linear accelerators

☒ Support for:
- rectangular fields
- asymmetric fields
- wedge filters
- universal wedges
- blocked beams
- multileaf collimators

☒ TBI beams:
- modeling based on patient build
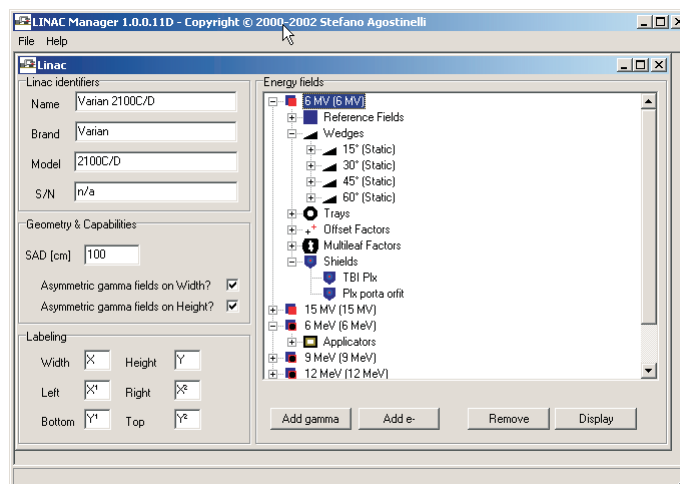- build-up shields
- lung compensation

Unit configuration:

☒ Point 'n click Windows user interface

☒ Based on common dosimetric data

☒ Beam data stored in XML format

NemoX makes TBI MU calculation easy! TBI calculation is based on patient build and equivalent square fields.

TBI beam computation includes lung shields compensation. You can also evaluate overdosage to the head and the thorax based on **patient build**.

All the modeling of treatment beams is just a click away because is based on **common dosimetric parameters** and easy-to-use Windows user interface.

Further information: