



Safety through simplicity.

Flexitron[®]

**Brachytherapy
Afterloading
Platform**

Redesigning treatment delivery

To maintain a high level of care, Elekta designed a brand new afterloading platform for brachytherapy: Flexitron. Putting the user—not the technology—first, Flexitron offers a logical workflow and intuitive user interface.

Why Flexitron?

Providing your oncology patients with the best possible care, consistently and over time, is a high priority. Accuracy and efficiency in treatment delivery are more important than ever, as is the need to reduce the possibility of human error—often the result of complex technology and a complicated workflow.



- **Designed for safety by reducing workflow complexity**
- **Boosting your clinical team's confidence and efficiency**
- **Connectivity to OIS, such as MOSAIQ®**
- **Safe investment in treatment delivery solution with future upgrade potential**

“As head of the university department, I always want to be on top of new developments. I believe with Flexitron we have made a sound investment for the future.”

Prof. G. Kovacs
UMC Schleswig-Holstein, Germany

A new standard in treatment delivery

Flexitron offers a logical workflow and intuitive system operation providing more logic and fewer variables. Flexitron has optimized the treatment delivery process based on an analysis of your workflow. With five simple yet ingenious features, we have created a new way of working, introducing a new standard in treatment delivery. Flexitron helps your clinical team to work safely and efficiently so you can be confident that the execution of all steps in the workflow will proceed as planned.

Flexitron TCC 3.0.0.2231 12 Mar 2013 / 2:59 PM (UTC +2:00) - E. Europe Standard Time (UTC +2:00) User: M.Curie Help Log

Patient Info: Doe, Jane
 First Name: Jane
 Patient ID: 12345
 Date of Birth: 03 May 1951
 Gender: Female
 Referring Physician: D. Johnson

Treatment Info: Cervix HDR
 Isotope: Ir-192
 Current Fraction: 1 of 3
 Dose per Fraction: 0.1 Gy
 Plan Approver: D. Johnson
 Plan Approved (Date / Time): 12 Mar 2013 / 1:24 PM (UTC +2:00)

Source Info: 00013
 Source: A
 Isotope: Ir-192
 Calibr. Date: 10 Feb 2013
 Calibr. AK Strength: 40000 $\mu\text{Gy}\cdot\text{m}^2\cdot\text{h}^{-1}$
 Current AK Strength: 30194 $\mu\text{Gy}\cdot\text{m}^2\cdot\text{h}^{-1}$

Treatment Details:
 Radiation Time: 00:52.5 mm:ss.s
 TRAK: 0.440 mGy at 1m
 AK Strength: 30194 $\mu\text{Gy}\cdot\text{m}^2\cdot\text{h}^{-1}$

Remaining Treatment Time: 00:44.1 mm:ss.s

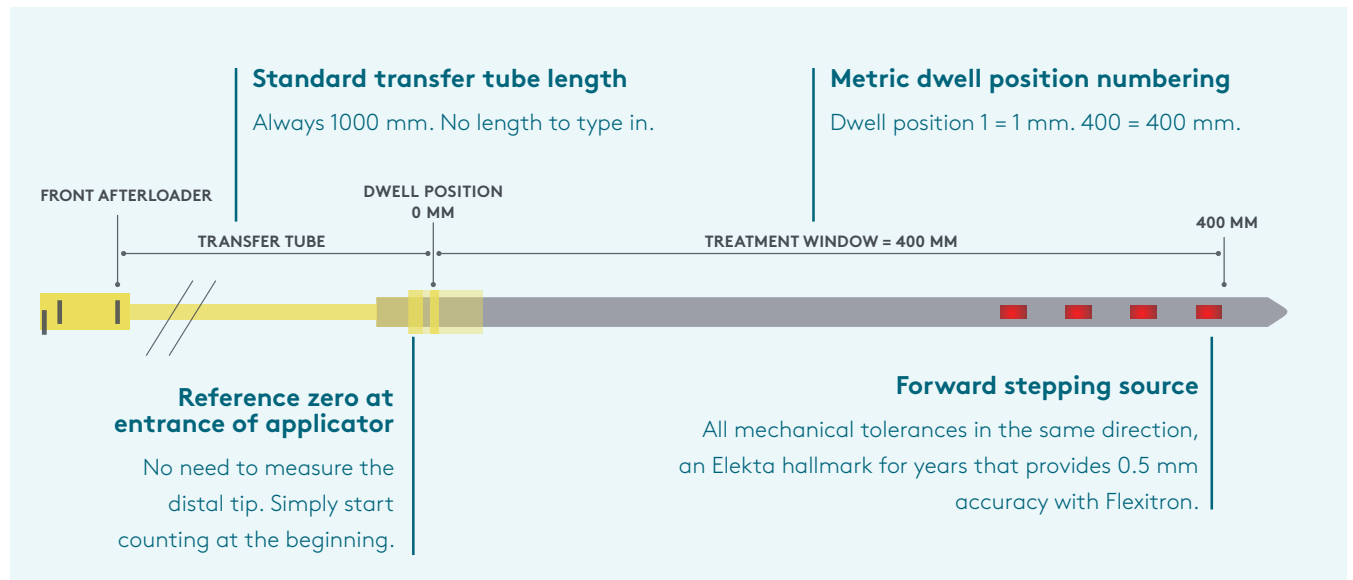
Dwell positions (mm) and dwell times (seconds): A graphical timeline showing dwell positions from 0 to 275 mm and dwell times of 2.1 seconds.

Channel 3: Catheter 2, Positions: 4, Radiation Time: 8.4 sec.

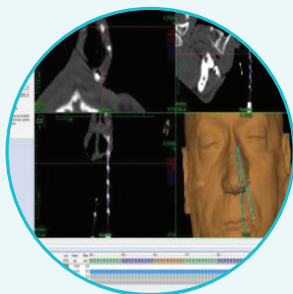
System Checklist:
 Self-Test: OK
 Flexitron Status: Treatment Mode
 Plan: Accepted
 Emergency Lock: Armed
 Door: Closed
 Source in Transit:
 Check Cable in Safe:

TREATMENT IN PROGRESS ...

Intuitive user interface with smooth navigation saves time.

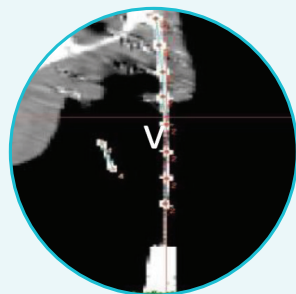


Reconstructing catheters



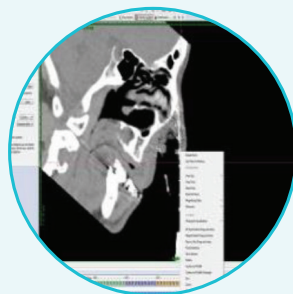
1

Reconstruct the catheters within the treatment or target area



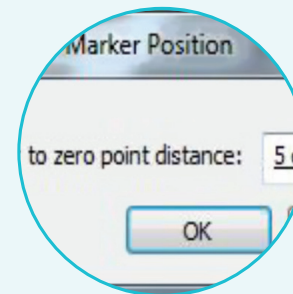
2

Select any point on the CT-marker for each catheter; there's no need to fill in the indexer length and offset



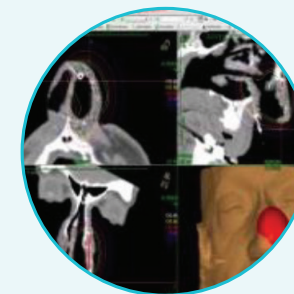
3

Use the point as a marker with a defined distance



4

Enter the distance from the connector end of the catheter, this is the marker to zero point distance



5

Plan your dose distribution

The result

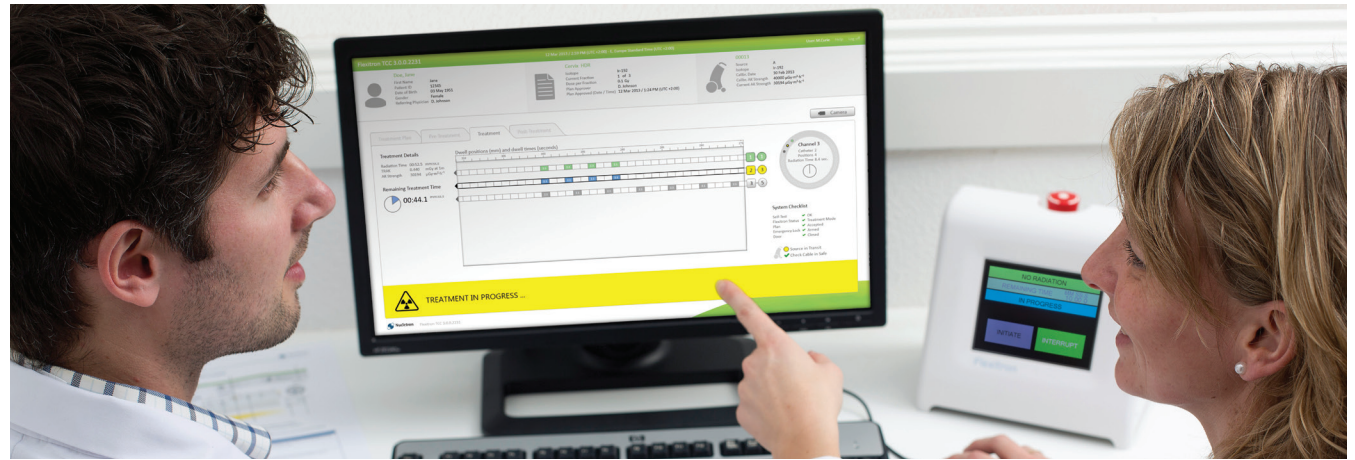
Accurate, reproducible and safe treatment delivery.

Plan to perform

When Oncentra® Brachy treatment planning (v4.x) is used in combination with the Flexitron afterloading platform, you will optimally benefit from a number of smart features that allow an easy, standardized way of treatment planning—while feeling confident about accurate and safe treatment delivery. Benefit from constant settings, such as a fixed step size.

Because all transfer tubes have a fixed length (1000 mm), the reference length will always be the same. The forward stepping source boosts your confidence about treatment accuracy (0.5 mm). For flexible catheters, dedicated CT-markers help you reconstruct and measure the source path length during the planning process. The friendly user-interface helps you save time.

A platform designed for you and your patients



Tailored to your practice



Scalable

The scalable Flexitron platform with 10, 20 or 40 channels can easily be tailored to the evolving needs of your brachytherapy practice.



Connected

Flexitron connects with MOSAIQ® and other DICOM Unified Worklist compliant oncology information systems.



Compatible

With Flexitron we offer a full brachytherapy solution. Flexitron is compatible with our applicators and Oncentra® Brachy treatment planning system.



Training & Education

We offer an unprecedented range of brachytherapy training and education options that bring you up to speed with current practice and novel brachytherapy approaches.

Flexitron offers patients and clinicians the benefits they deserve. Your patients will receive the most sophisticated and safest brachytherapy procedure possible, and physicians can now deliver brachytherapy with more efficiency and ease of use than ever before.

Elekta Care™

Get the most from your Elekta brachytherapy solution

Elekta Care is designed to help you maximize the use of your Elekta technology, so you can focus on your patients and your practice.

Elekta Care supports you from startup through your product's lifecycle with comprehensive options from education, training and upgrades to solutions allowing you the highest uptime and improved operational efficiency.



For almost five decades, Elekta has been a leader in precision radiation medicine. Our nearly 4,000 employees worldwide are committed to ensuring everyone in the world with cancer has access to—and benefits from—more precise, personalized radiotherapy treatments.



Elekta AB

Box 7593
SE-103 93
Stockholm, Sweden

T +46 8 587 254 00
F +46 8 587 255 00

Europe, Middle East, Africa

T +46 8 587 254 00
F +46 8 587 255 00

North America

T +1 770 300 9725
F +1 770 448 6338

Latin America, South America

T +55 11 5054 4550
F +55 11 5054 4568

Asia Pacific

T +852 2891 2208
F +852 2575 7133

Japan

T +81 3 6722 3800
F +81 3 6436 4231

China

T +86 10 5669 2800
F +86 10 5669 2900



888.00414 MKT [07] © 2018 Elekta AB (publ.)
All mentioned trademarks and registered trademarks are the property of the Elekta Group. All rights reserved. No part of this document may be reproduced in any form without written permission from the copyright holder.