

AAKANKSHA आकांक्षा

C-DAC'S MODULAR RADIATION TREATMENT PLANNING SYSTEM

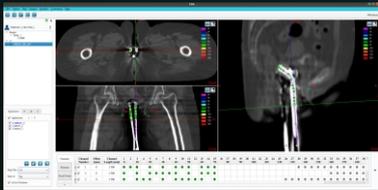
Brachytherapy TPS- Salient Features

- Provides comprehensive end-to-end Brachytherapy treatment plan
- User friendly Contouring & Planning Station
- Manages radiation machines and sources
- Dashboard for reporting
- Role based Access Control for users
- Easy to use and generate quick plans
- Faster and accurate dose calculation and optimization
- Flexible and configurable to suit any HDR Brachytherapy machine
- DICOM and IEC 61217 standards compliant
- Suited for planning with 2D Fletcher suit applicators using C-arm images
- Support for 3D CT and MRI based planning with different applicators such as Fletcher suit, MUPIT, Ring, Vienna, CVS and Venezia

Aakanksha is a Brachytherapy TPS used in internal radiation treatment therapy in treating cancer

Advantages

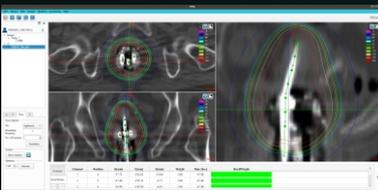
- Modular, user friendly system design
- Developed using open source technologies
- No hidden software costs
- Comprehensive solution for Brachytherapy
- Faster and accurate dose calculations
- Suitable for a wide range of applicators



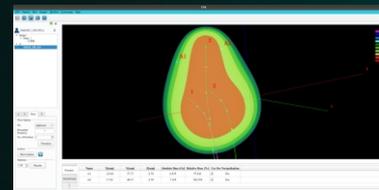
3D Planning



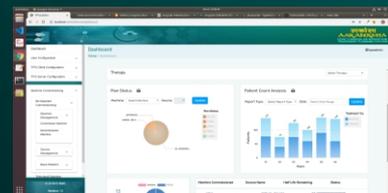
2D Planning



Dose Calculation



Isodose



Admin Panel



प्रगत संगणन विकास केन्द्र
CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING
नवाचार पार्क, पंचवटी, पाषाण, पुणे - 411 008, भारत
Innovation Park, Panchavati, Pashan, Pune - 411 008, India.
फ़ोन / Tel: +91-20-25503100/271, फ़ैक्स: / Fax: +91-20-25503131

System Requirements

Server Machine: Linux x64 Server(s), Java 8, Apache Tomcat 9, PostgreSQL 11

Client Machine: Ubuntu 18.04 LTS, C++ 11