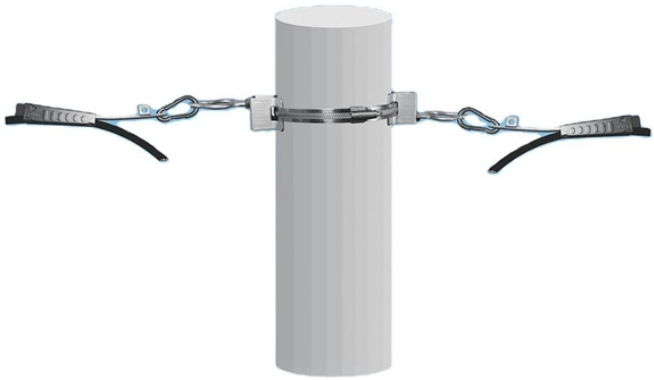
Monaco Emergency Distribution Box Model Parameters



Overview

Demonstrates the use of site specific templates available in Monaco 5. Templates are used to predefine plan parameters such as the delivery type, beam arrangement, calculation properties, plan constraints and plan objectives. Elekta maintains a Quality System that complies with all essential requirements of the European Medical Device Regulation EU MDR (2017/745) and all other standards applicable there under. A Technical File is maintained for review via Elekta directly. The Agility multileaf collimator (MLC) (Elekta, Stockholm, Sweden) consists of 160 leaves that can deliver complex radiotherapy treatment plans. Monaco treatment planning system (Elekta AB, Stockholm, Sweden)) uses a tunable model of the secondary collimator, and MLCs for the dose calculation of. Multileaf collimators (MLCs) need to be characterized accurately in treatment planning systems to facilitate accurate intensity-modulated radiation therapy (IMRT) and volumetric-modulated arc therapy (VMAT). The aim of this study was to examine the use of MapCHECK 2 and ArcCHECK diode arrays for. The Treatment Unit Name in Monaco does not allow spaces and special characters. MLC motion parameters used in the model e., max leaf travel speed, min/max dose rate.

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This study assesses the updated Monaco TPS virtual source model (VSM) 2.0, which removes multileaf collimator (MLC) and jaw characterization as editable factors from the MLC ...

Introduces virtual phantom for enhanced beam modeling. This study assesses and compares the actual beam parameters with those calculated by the treatment planning system (TPS) ...

Monaco treatment planning system (Elekta AB, Stockholm, Sweden)) uses a tunable model of the secondary collimator, and MLCs for the dose calculation of treatment plans. It is modelled using a ...

Dose calculations with the default MLC parameters are referred to as the ''Default model'' and calculations with the adjusted MLC parameters are referred to as the ''Optimized model''.

A step-by-step optimization guide is provided at the end of this study to assist in the optimization of the TPF parameters in the Monaco TPS.

The aim of this study was to examine the use of MapCHECK 2 and ArcCHECK diode arrays for optimizing MLC parameters in Monaco X-ray voxel Monte Carlo (XVMC) dose calculation ...

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Monaco TPF possesses a number of MLC parameters that can be adjusted based on measurements of test fields with the users PSQA measurement device as recommended by the vendor.

This document discusses some of the beam model parameters for informational purposes, but it is important to understand that Monaco users should never alter any of these parameters on their own .

This demonstration shows the process for loading a prostate template and describes the specific parameters used in the template and how to adjust these for individual clinical requirements.

MLC parameters used in the model e.g., leaf gap, transmission, intraleaf leakage, etc. If the default box is unchecked, this means that these parameters were changed from the Elekta defaults.

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