



Contribution ID: 54

Type: not specified

DAILY DOSE TEST RESULT EVALUATION OF THE PRECISE ELEKTA ACCELERATORS AT HO CHI MINH CITY ONCOLOGY HOSPITAL

Thursday 8 September 2022 11:30 (15 minutes)

Target: Evaluation of daily dose test results of the Precise Elekta accelerators, there by make conclusions about the dose stability of Precise Elekta accelerators.

Subjects, methods: Perform dose measurement on Precise Elekta accelerators using Daily QA3 device based TRS-398[1], TG-142[2] reports and reference guide of Sun Nuclear Corporation.

Results: In this study, results of daily dose measurement were obtained for 331 days (18 months), from January 2, 2018 to June 30, 2019. In general, the energy levels of the Presice Elekta accelerators bring good dose quality, the number of days exceeding the limit is very low. Common energy levels such as 6MV and 9MeV are always highly stable, highly accurate, and will never exceed the limit.

Conclusions: The Presice Eleckta accelerators at Ho Chi Minh City Oncology Hospital is highly appreciated in terms of dose, the dose measuring device works well, is operated by a team of highly qualified engineers, always bringing the best results for radiationtherapy patients.

Presenter: .., Nguyễn Khắc Sơn

Session Classification: Student presentations - Session 4