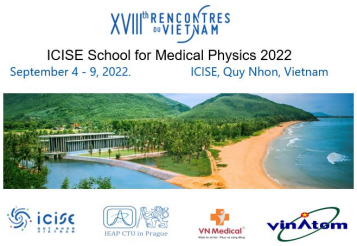

Contribution ID: **43** Type: **not specified**

Image-Guided Radiation Therapy (IGRT)

Wednesday 7 September 2022 11:15 (15 minutes)

Image-Guided Radiation Therapy (IGRT) is a method that uses X-rays and images of the body to guide individual treatment. X-rays and images will show the size, shape and site of the cancer. The radiotherapy regimen wil be created to allow a high dose of radiation therapy to be delivered directly to the cancer site. The dose of radiation given to the surrounding normal tissues is kept as low as possible to reduce the risk of damage to these tissues. With IGRT, doctors can target radiation doses more precisely. Treatment regimens are created for each patient, so that, treatment planning may take longer than with some other one and each treatment episode may also last longer. However, IGRT can monitor cancer changes during treatment, the treatment regimen can be changed at any stage. This change can bring: better treatment results, more precisely targeted radiation therapy, more effectiveness, fewer side effects. For the reasons explained above, every patient should use IGRT method as part of their radiotherapy treatment episode. The frequency and complexity reflects the treatment intent, anatomical site and fractionation.

Presenter: ., Phạm Ánh Tuyết

Session Classification: Student presentations - Session 2