



BRACHYTHERAPY

GEC-ESTRO BRAPHYQS

The BRAPHYQS working group is the physics working group of GEC-ESTRO. Due to Covid-19 our activities have to remain virtual. This has been the case for BRAPHYQS meetings as well those for the sub groups.

In 2020 we continued our efforts in progressing WP19 work (Chairs: Marisol de Brabandere, Alex Rijnders) on commissioning and QA of brachytherapy treatment planning systems. The planned guidelines are already drafted and need to be reviewed and formatted before submission to a journal.

Jose Catalayud, chair of the project on HE/HDR source calibration (WP21), put a lot of effort into this work package. Several virtual meetings for this project were held in 2020 to produce a consistent protocol for end-users to allow a safe and accurate HE/HDR source calibration for Ir-192 and Co-60 in Europe. In this project vendors and standard laboratories will be involved.

A relatively new project on eye plaque treatment using Rh-106 sources was launched (WP22). Currently we are working on a survey to analyse the variety in clinical usage of such of sources; in particular we are interested in dose planning, dose prescription, and source calibration. This WP is a joint project with the GEC-ESTRO head- neck & skin working group (Chair: Luca Tagliaferri). This is an example of the strength of brachytherapy with an interdisciplinary approach between physicists and radiotherapists. This project will be of particular interest to vendors offering eye plaque technique.



Chair: Frank-André Siebert