

## WP2: Dose assessment, quality assurance, dummy runs, technology inventory

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WP6 is in the process to finalize the members of this working group. The coordinators are: Sairos Safai, Oliver Jäkel and Stefan Menkel. Unfortunately, Dietmar Georg, due to personal reasons, is no longer able to act as coordinator. For this reason, we are happy that Stefan Menkel joined the group this spring.

As of May, 12 centers of 8 different countries confirmed their interest in contributing to WP2, for a total of 15 participants.

WP6 has identified the following 6 areas of interest for this working group:

1. **QA/equipment Survey:** preparation of a questionnaire to be send to interested centers in Europe with the aim to collect information regarding the dosimetric quality assurance tests performed on particle machines by the different centers, including the type of test, the frequency, the tolerance and the equipment used.
2. **Absolute dosimetry:** focus on those aspects of absolute and reference dosimetry that, we believe, are not satisfactorily covered by the current standards (code of practice)
3. **Dosimetry audits:** some countries may require dosimetry audits to be performed to obtain the license to treat patients. Regular dosimetry audits or dosimetric intercomparison between centers could also be part of the regular QA program. Our aim is to create a network of participating centres that could be interested to participate to such audits/intercomparisons.
4. **End-to-end tests:** here we would like to focus on the tests and phantoms that could be used for this purpose
5. **Dosimetry tools:** to create a database of dosimetry equipment in use in particle therapy. Following questions are of interest: does the current (commercial) available dosimetry equipment satisfy all the requirement of particle dosimetry and QA needs? If not, what additional specifications should be satisfied, what additional dosimetric developments are of interest for the community?
6. **Web-based platform for teaching activities:** to explore the feasibility and needs to have a web-based platform for teaching activities

In the coming months we plan to assign motivated collaborators to selected topics. Our first priority is the QA survey and we aim to have the questionnaire defined and sent to interested centres by the end of the year.

The presented topics were well received at the meeting and the audience encouraged the realization of the survey as presented.

