



**The European Federation of Organisations for Medical Physics**

Domus Medica, Mercatorlaan 1200, Utrecht, NL  
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**PROPOSAL FOR A NEW WORKING GROUP (WG)**

<b>Name of WG<sup>1</sup>:</b>	Volumetric Modulated Arc Therapy Breast
<b>Parent Committee(s)<sup>2</sup>:</b>	Science Committee
<b>Keywords<sup>3</sup>:</b>	Radiotherapy, Breast, VMAT
<b>Chair(s)<sup>4</sup>:</b>	Suggested chair: Tuomas Koivumäki, PhD, Medical physicist from Finland. Tuomas has been involved in many scientific studies related to VMAT breast planning techniques.
<b>Expected outcome<sup>5</sup>:</b>	Publication in European Journal of Medical Physics for best practices in breast radiotherapy using volume modulated arch therapy (VMAT) technique. Increase the user's awareness of VMAT techniques in breast treatments. Investigate and harmonize the current use of VMAT in breast treatment in European level. A simple questionnaire will be conducted to European cancer centers via group members to find out the selection criteria for VMAT technique and how it is used.
<b>Target audience<sup>6</sup>:</b>	Medical Physics Experts, Health Professionals
<b>Rationale<sup>7</sup>:</b>	In many scientific papers, the VMAT technique has shown to improve the target coverage and reduce the unwanted dose to critical organs. The techniques used with VMAT seems to alter from center to center. Still it is unknown how many centers in European level use VMAT in breast radiotherapy treatments.
<b>Coordination<sup>8</sup>:</b>	EFOMP Science Committee

*This proposal form must be filled by the EFOMP parent committee chair.*

<b>Category:</b>	WGs are classified into the following categories depending on their topic and purpose. Please choose the most appropriate.
	<b>New Horizons.</b> The topic involves new scientific developments, methods, technology or clinical applications that have not yet emerged into clinical practice.
<b>X</b>	<b>State of Art.</b> The topic involves codes of practice, protocols, recommendations or guidelines for activity which are expected to become enduring practice.
	<b>Focus Area.</b> The topic involves certain specific area of clinical interest, modality or method which may include a technical or methodological challenge to be solved.
	<b>Educational or Informational.</b> The topic involves education or informing the members in a relevant area of clinical practise, technology, methods, research or training.



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	<b>Consensus Document.</b> The topic involves a consensus of the medical physics community on a certain area of interest that the EFOMP will endorse. This category may include e.g. safety issues or professional issues.
<b>Members<sup>9</sup>:</b>	A call for nominations will be set out in September 2022. The ideal group would consist of one (and is limited to one) medical physicist from each member country. Members will be nominated according to EFOMP official policy, after the announcement and recruitment procedure. The selection criteria will be the previous knowledge about VMAT breast and geographic location to each member to have certain geographic areas of responsibility.
<b>Consultants/Observers<sup>10</sup>:</b>	The call for WG members may also produce consultants and observers.
<b>Funding<sup>11</sup>:</b>	Communication between WG members will be restricted to email and video calls (teams). A possible face-to-face meetings will be agreed with the participants. Estimated cost 5000 euros as per WG funding.
<b>Timeline<sup>12</sup>:</b>	WG duration is assumed to be 18 months. The questionnaire report will be produced after 6 months. The draft of recommendations and current practices will be submitted to the Physica Medica most probably in spring 2024.
<b>Proposed outline of the final report<sup>13</sup>:</b>	Introduction, literature overview, current practices, recommendations.

**Legend**

- 1) **Name of WG** - Including an indication of the WG type - i.e. if the WG will be a Joint WG.
- 2) **Parent Committee(s)** - Relevant EFOMP Committee.
- 3) **Keywords** - include at least 3 keywords.
- 4) **Chair(s)** - The chair of the parent committee will propose the chair of the WG.
- 5) **Expected outcome** - Description of the relevant results expected from the WG.
- 6) **Target audience** - e.g. Medical Physicists, Vendors.
- 7) **Rationale** - What is the justification and need for the proposed WG.
- 8) **Coordination** - The parent committee chair has to specify if there is a coordination or collaboration with other EFOMP Committees, WGs and/or scientific organisations.
- 9) **Members** - Proposed list of active members based on the feedback on the WG announcement from



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NMOs, potentially interested experts within the medical physics community and the EFOMP Board will be composed by the parent committee chair together with the proposed WG chair. The proposed member list has to be approved by the EFOMP Board. WG members have to create an efficient and optimal composition of expertise and professional coverage. WG members can be updated also later if and when needed.

- 10) **Consultants/Observers** - Proposed other WG participants who are indicated as consultants or observers. The parent committee chair together with the proposed WG chair will identify possible consultants/observers.
- 11) **Funding** - Description of the WG funding needs (meetings, etc.) and how the finances will be acquired and managed. This part is optional and can also be zero.
- 12) **Timeline** - WG timetable described by main milestones and reporting. Interim progress reporting must be provided at least in 6 months intervals.
- 13) **Proposed outline of the final report** - What should be included in order to reach the planned outcome.