



Partial Breast Radiotherapy: Evidence and Challenges

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Message from the Guest Editor

Guidelines from GEC-ESTRO, ASTRO and ABS defined patients to whom the following could be safely reduced: (a) the breast volume irradiated, (b) the treatment time, and (c) unnecessary radiation exposure to healthy tissues. For these reasons, the concept of accelerated partial breast irradiation (APBI) in early breast cancer after BCS has gained acceptance.

There are several radiation techniques for APBI. Brachytherapy, external beam radiotherapy, and IORT are accepted APBI techniques following data provided by phase III trials. Non-inferior results in terms of local control and suggested improved toxicity encourage APBI treatment worldwide.

The aim of the present Special Issue is to shed light on the challenges in APBI treatment, including non-cancer death rates, biological and immunological effects of tumor bed irradiation, and combination with other cancer treatments.





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Message from the Editor-in-Chief

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