



Breast Cancer: Novel Insights into Hormone Therapy

Guest Editor:

Dr. Palma Fedele

Oncology Unit, Dariuo
Camberlingo Hospital,
Francavilla Fontana, ASL Brindisi,
Brindisi, Italy

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Message from the Guest Editor

Endocrine therapy is the standard of care in hormone-receptor-positive breast cancer (HR+ BC). CDK4/6 inhibitors are now part of clinical practice in adjuvant and metastatic settings. Other new drugs (SERDs, CDK7 inhibitors, and PI3K/akt/mTor inhibitors) are increasingly appearing in metastatic settings. Moreover, antibody-drug conjugates (ADCs) have recently demonstrated their clinical efficacy regardless of the expression of hormone receptors, as have PROTACTs (PROteolysis Targeting Chimeras), new small molecules designed to escape endocrine resistance mechanisms. The aim of this Special Issue is to report the state of the art in the treatment of HR+ BC and analyze the new challenges to be addressed: redefining escalation and de-escalation strategies based on the risk of disease recurrence in an adjuvant setting and on the disease burden in a metastatic setting; identifying the optimal treatment sequence; understanding the role of ADCs in HR+ BC and the role of predictive biomarkers of responses that have been identified so far (PI3K, BRCA, and ESR1 mutations, as well as, more recently, the low expression of HER2).





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Journal of Clinical Medicine Editorial
Office
MDPI, Grosspeteranlage 5
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