SISTEMA SANITARIO REGIONALE

ASL FROSINONE

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TREATMENT OF METASTATIC HER2+ BREAST CANCER: USE OF TRASTUZUMAB BIOSIMILARS IN COMBINATION WITH PERTUZUMAB

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Background and importance

Pertuzumab is indicated for use in combination with trastuzumab and docetaxel in adult patients with HER2-positive metastatic or locally recurrent unresectable breast cancer, who have not received previous anti-HER2 therapy or chemotherapy for their metastatic disease.
The first biosimilars of trastuzumab were marketed in 2018.
Biosimilar medicines are safe and effective, provide a lower cost treatment option for the national health service, therefore, allow increased access to high cost therapies.

Aim and objectives

Cost-effectiveness comparison of pertuzumab+trastuzumab originator vs pertuzumab+trastuzumab biosimilar.

Evaluation of the efficacy and safety of treatment with biosimilar trastuzumab and economic impact.

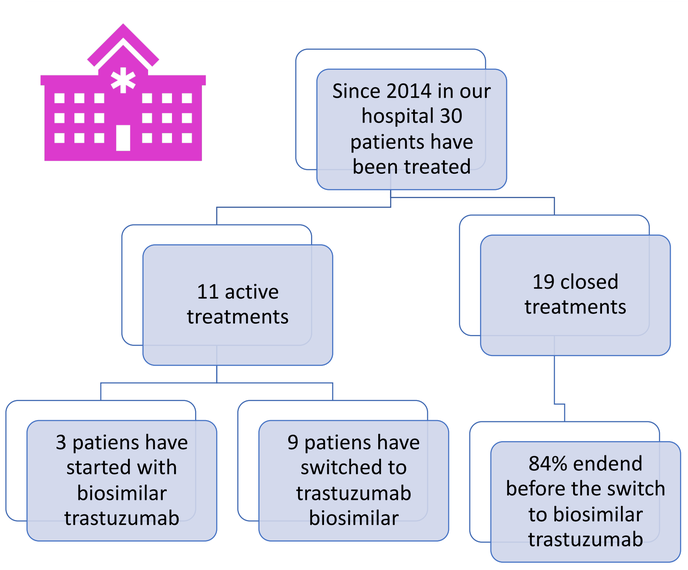
Material and methods

Consultation of prescriptions from oncology doctors

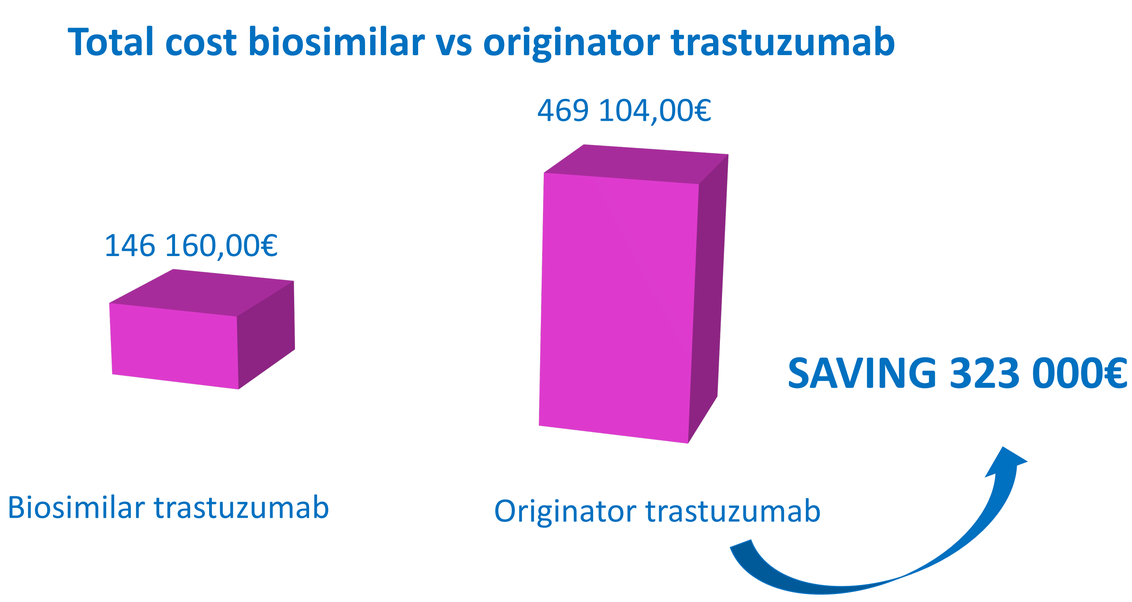
Control of Pertuzumab+ trastruzumab originator vs Pertuzumab + trastruzumab biosimilar combinations prescribed and treatment cycles

Monitoring of prescription and administrative appropriateness by consulting the monitoring registers of the Italian drug regulatory agency

Results



464 cycles of trastuzumab biosimilar + pertuzumab done



Conclusion and relevance

In clinical practice, treatment in combination with biosimilar trastuzumab has demonstrated efficacy and safety, with no increase in end-of-treatment for progression/toxicity/causes dependent on the biosimilar drug. The reduction in economic impact was significant.