

Please join the Biometric Colloquium

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PREDICTION OF CONTRALATERAL BREAST CANCER - STATISTICAL ASPECTS AND PERFORMANCE ASSESSMENT

April 17th, 2024 at 9:00 am

Seminarraum Center for Medical Data Science (previously CeMSIIS),
Spitalgasse 23, Room 88.03.513
Medical University of Vienna, 1090 Wien

HOST: Daniela Dunkler

ABSTRACT

About 4 out of 100 women first breast cancer may develop a new primary tumor in the other breast within 10 years. For that reason, an increasing number of women opt to a contralateral mastectomy as a preventive measure, especially when Angelina Jolie made the same decision for herself. In this scenario, a risk prediction model for contralateral breast cancer may inform and help these women and physicians with this difficult personal choice. This project also posed several statistical methodological challenges about how to develop and assess prediction performance of a risk prediction model with survival outcomes using multiple data sources. Both applied and methodological current and potential future developments will be also mentioned and discussed.