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Department of Cardio-
Thoracic-Vascular Sciences
and Public Health



Biostatistics, Epidemiology
and Public Health Unit

2023

Biostatistics, Epidemiology and Public Health School

Journal Club

29th June 1:30 p.m. - 2:30 p.m.

"A graphical approach to sequentially
rejective multiple test procedures (Bretz et
al., Stat Med 2009)"

Presenter by

Dr. Stefano Vezzoli

*Statistical Methodology and Innovation Leader
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Moderator by

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Abstract

Several test procedures are available for the analysis of clinical trials addressing multiple objectives, such as comparing several treatments with a control, assessing the treatment effect for more than one endpoint, etc. However, certain procedures have become overly complex, making it challenging to effectively communicate the underlying test strategies to clinical teams. This paper introduces a simple iterative graphical approach ensuring the strong control of the familywise error rate and providing a transparent and flexible framework to design and implement multiple test procedures

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