Correlation of classical andrological parameters with oocyte fertilization rates in ICSI treatment

A.N. Spiess, D. Zeilmann, V. Baukloh & W. Schulze

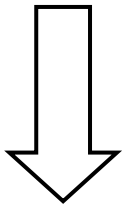
Data Aggregation

2267 patients
UKE Andrology

Spermiogram
Genetic background
Testicular Histology
Hormonal status
TESE result

833 patients
FCH

Number oocytes MII
Number oocytes 2PN
Fertilization rate
Pregnancy rate
Number of ART cycles
Embryo Score

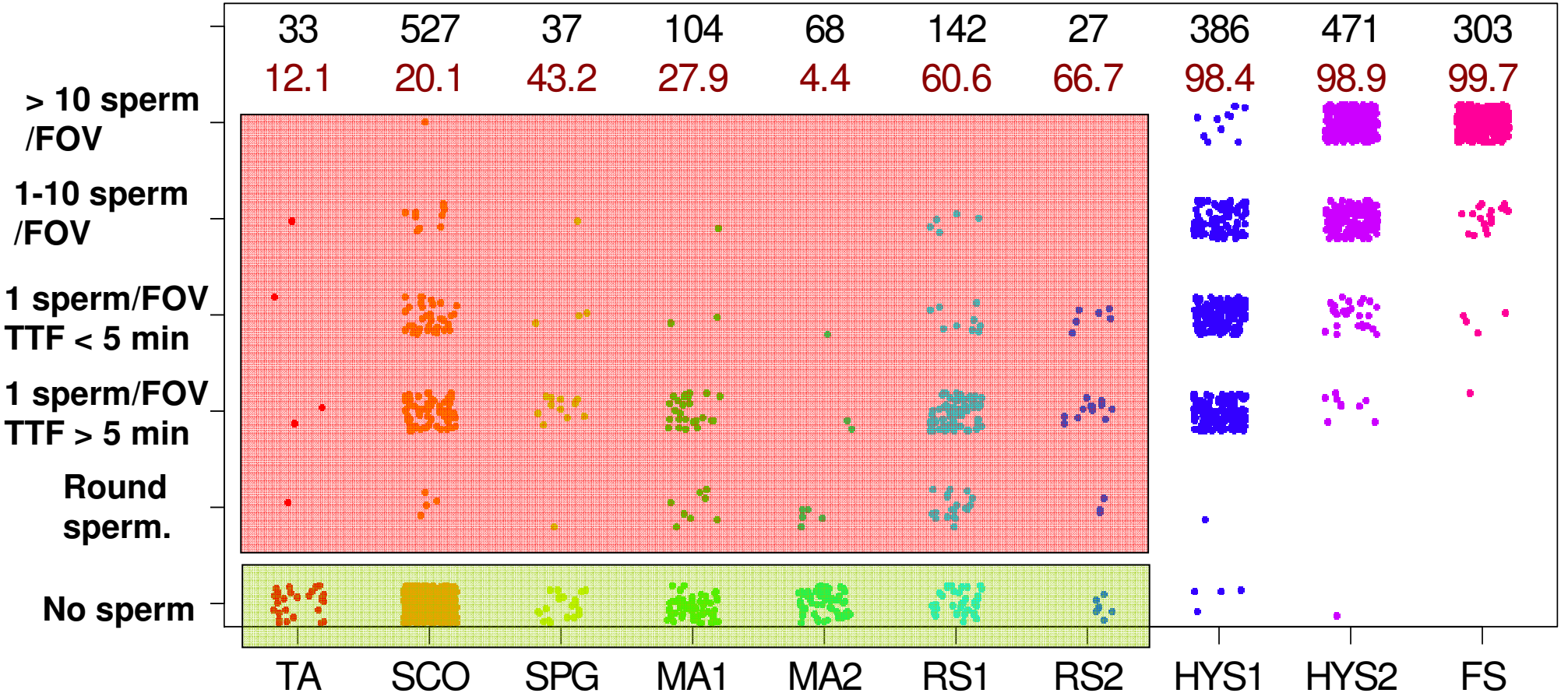


Name/Birth Date

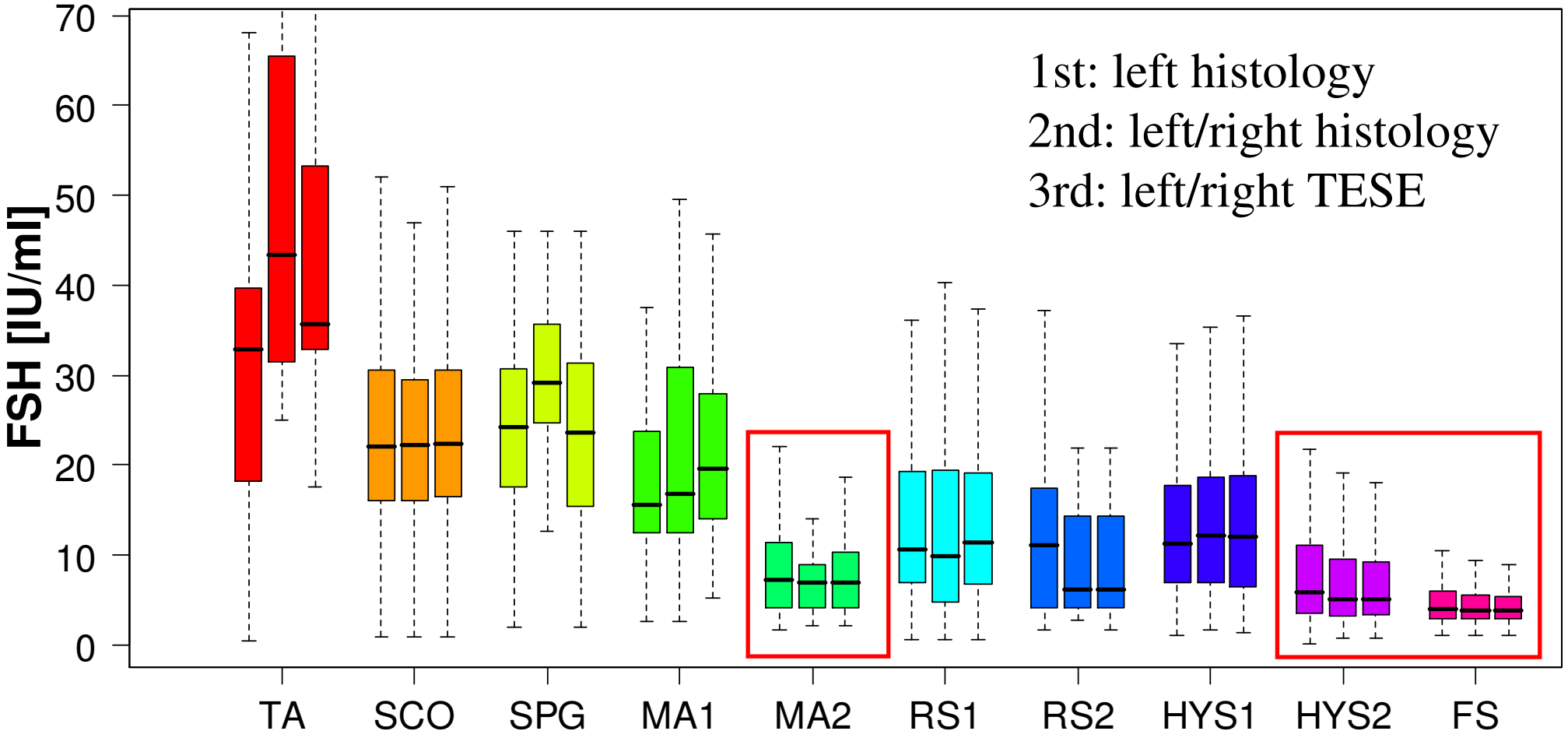
420 patients

Correlation of andrological parameters and ART outcome

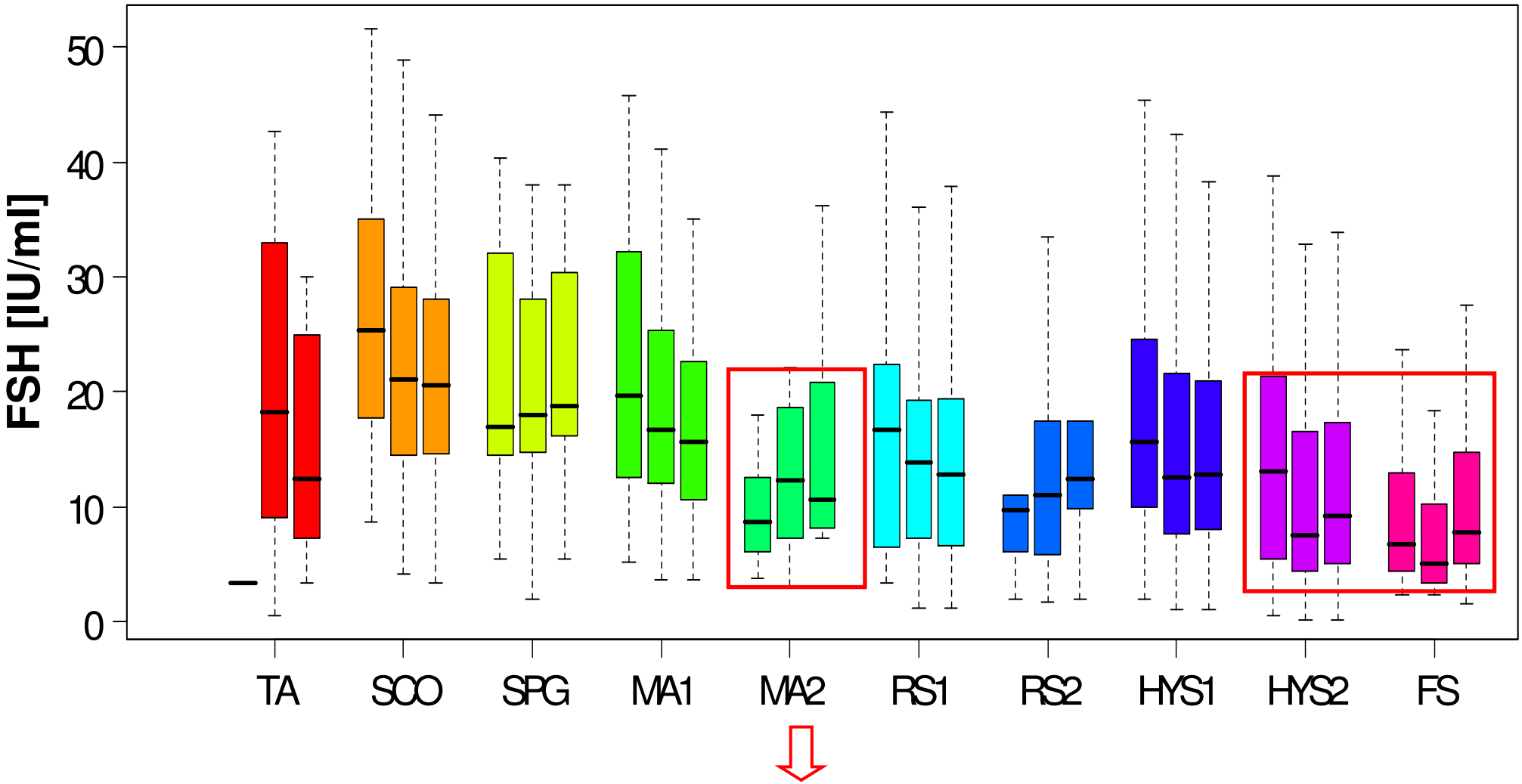
Comparison of histology/TESE



FSH levels of homogeneous group (*n* = 1699)

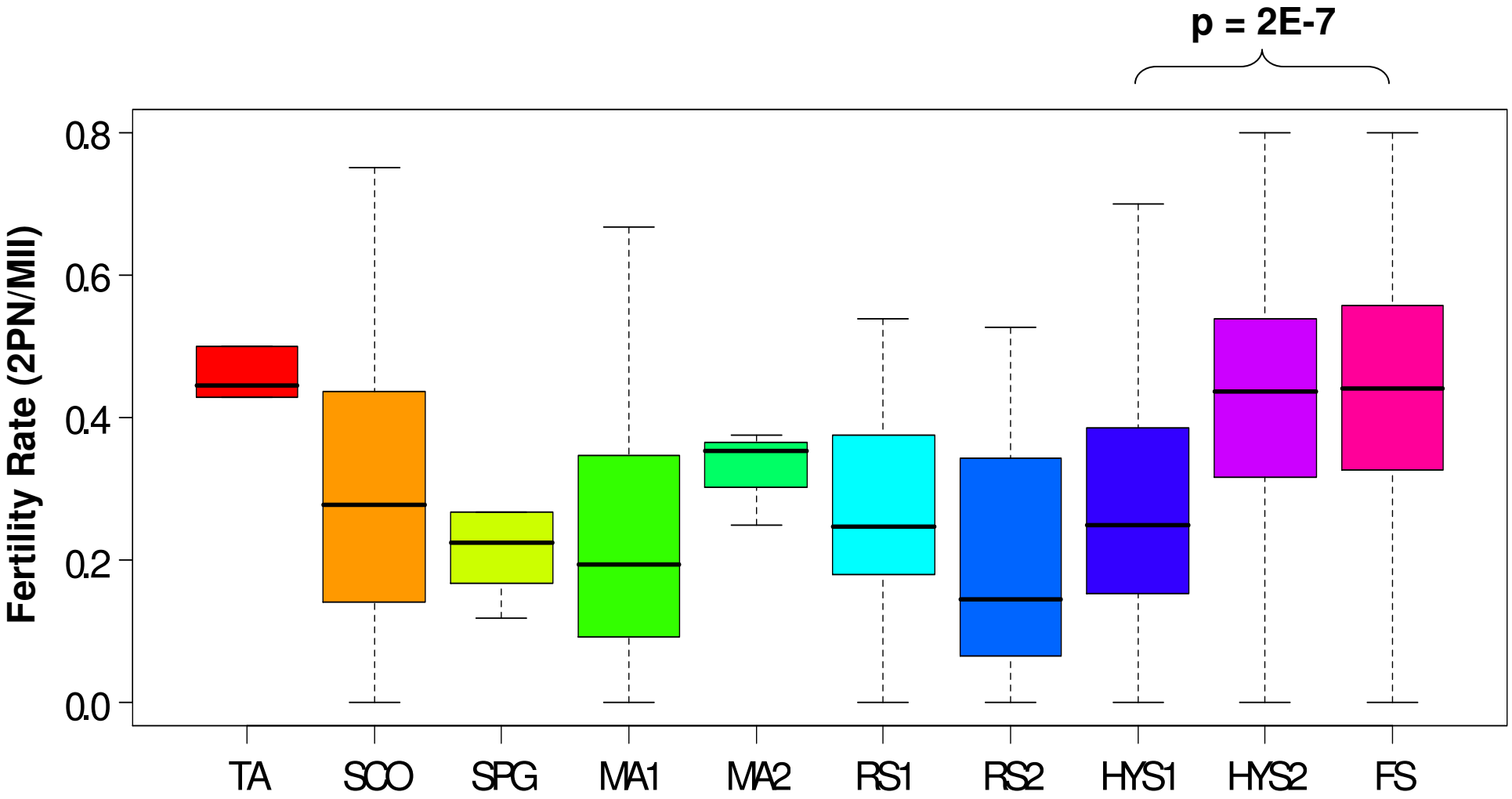


FSH levels of heterogeneous group (*n* = 394)

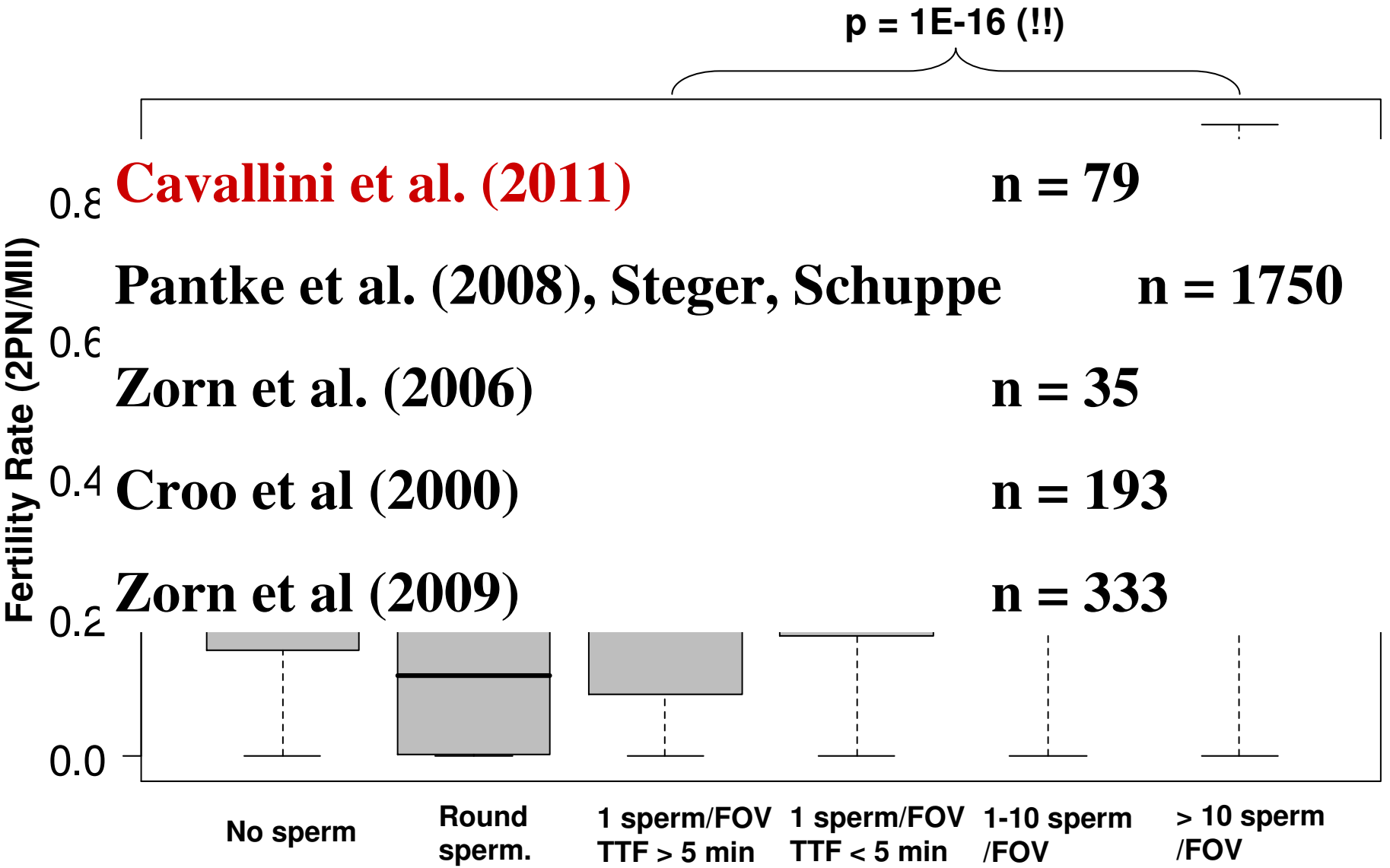


Cave: Although more elongated spermaotozoa, higher FHS levels !

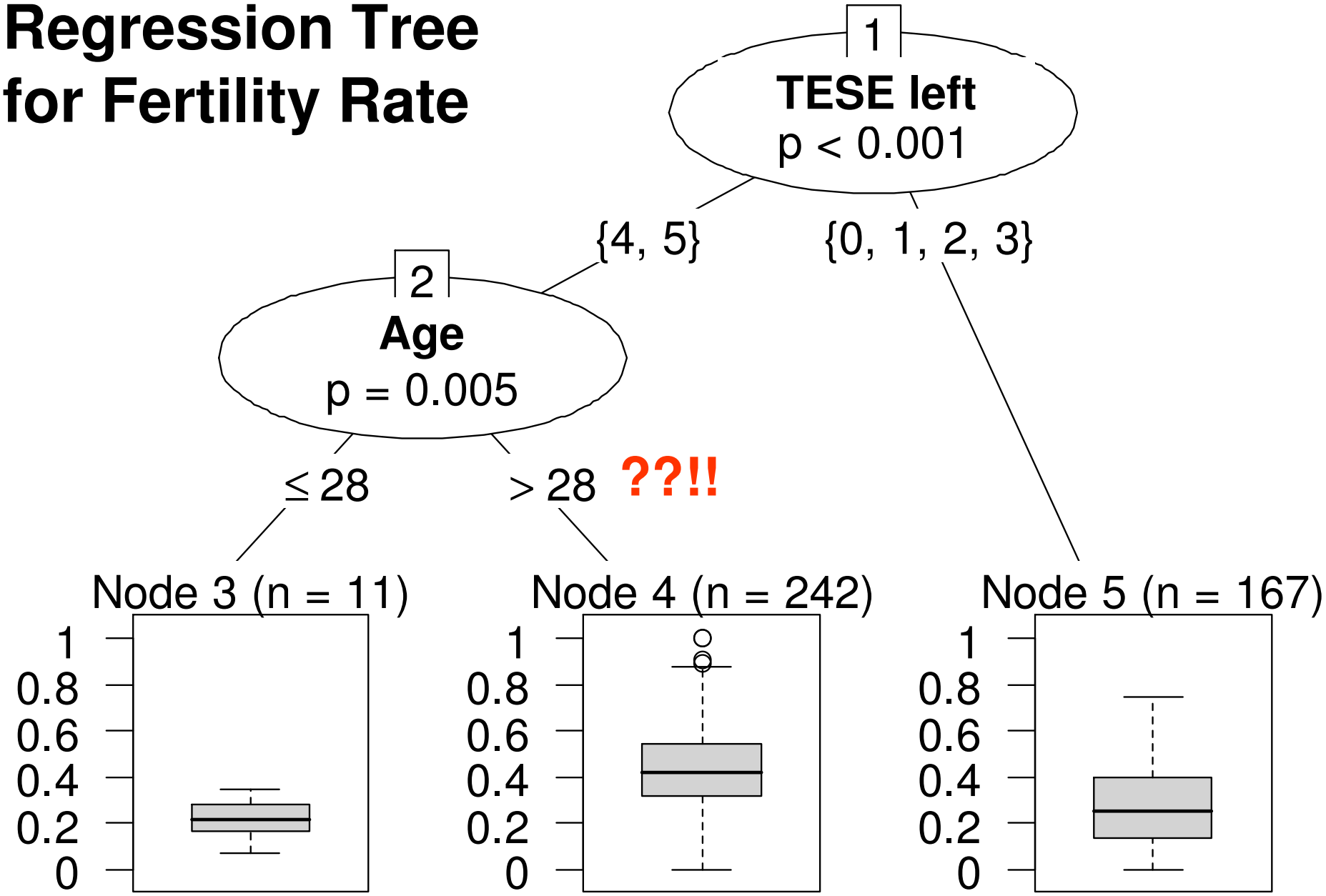
Histology left testis and Fertility Rate



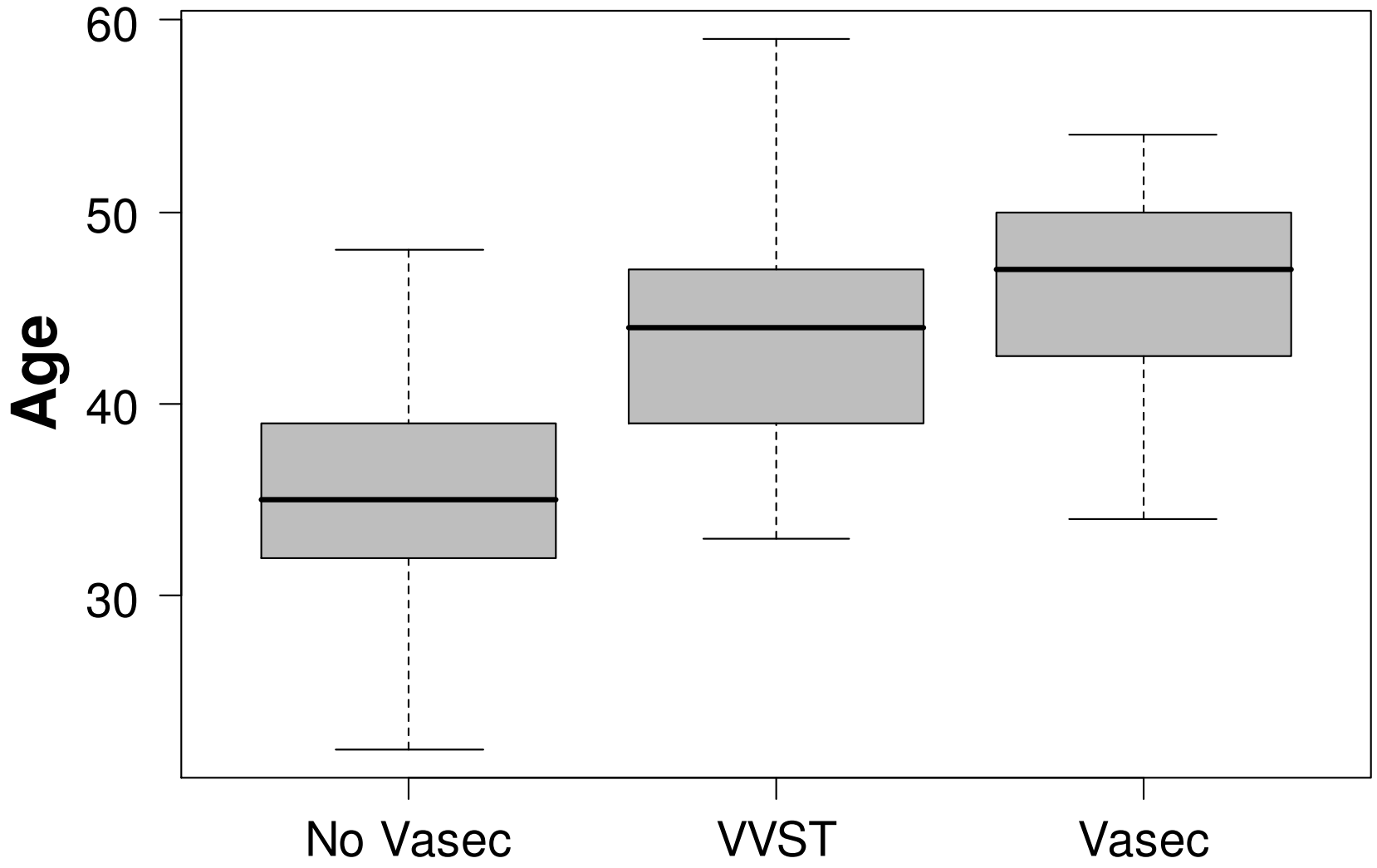
TESE left testis and Fertility Rate



Regression Tree for Fertility Rate



??!! >28 => VVST/Vasec => FS => high FR ??!!



Take home message:

Be careful with FSH levels in respect to MA-patients !

Bad testis => Low sperm counts TESE =>
Bad Sperm => ~88% Reduction Fertility Rate

Thanks !!