

# Prospective compArison of CardIac PET/CT, SPECT/CT perFusion imaging and CT coronary angiography with Invasive Coronary angiography

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## The PACIFIC-trial



# Declaration of Interest

- I have nothing to declare



# Aim of the study

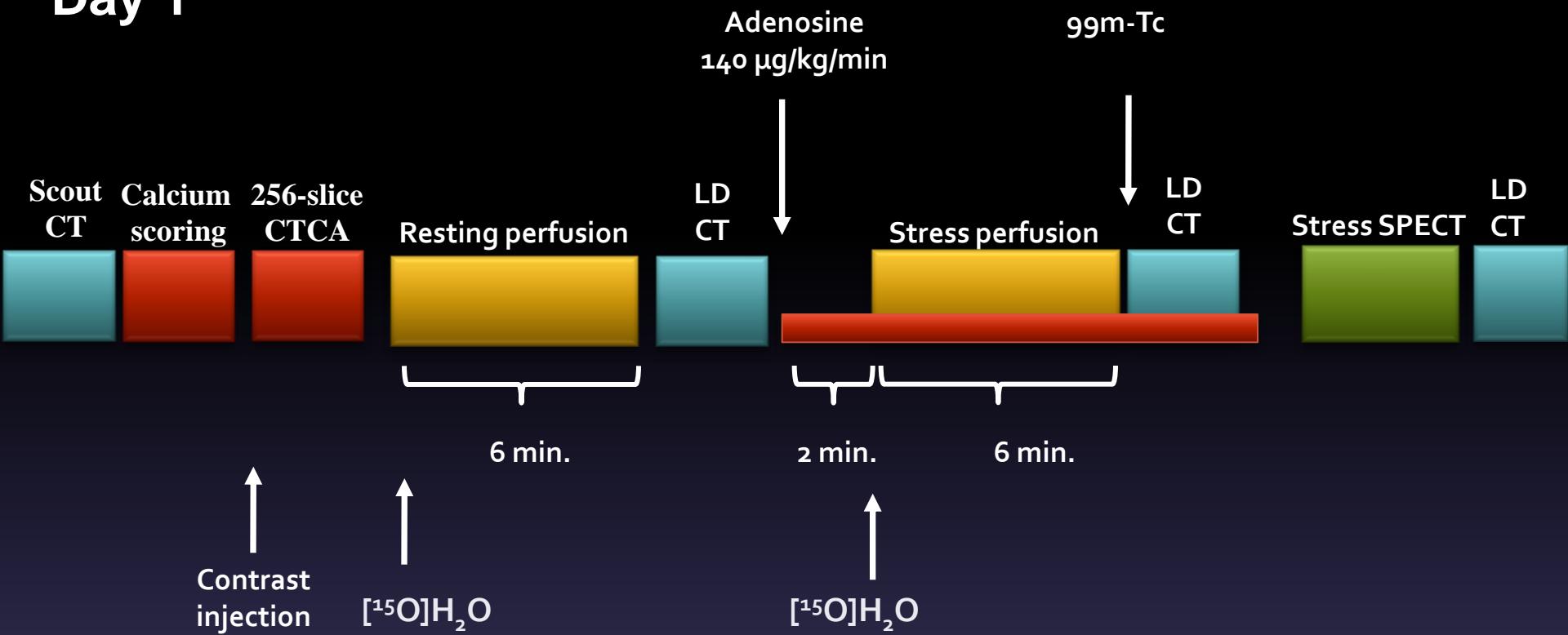
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- To determine the diagnostic value, in a true head-to-head fashion, of CCTA, SPECT and PET imaging compared against Fractional Flow Reserve
- To assess whether cardiac hybrid imaging has an incremental diagnostic value over stand-alone imaging



# Study design

## Day 1

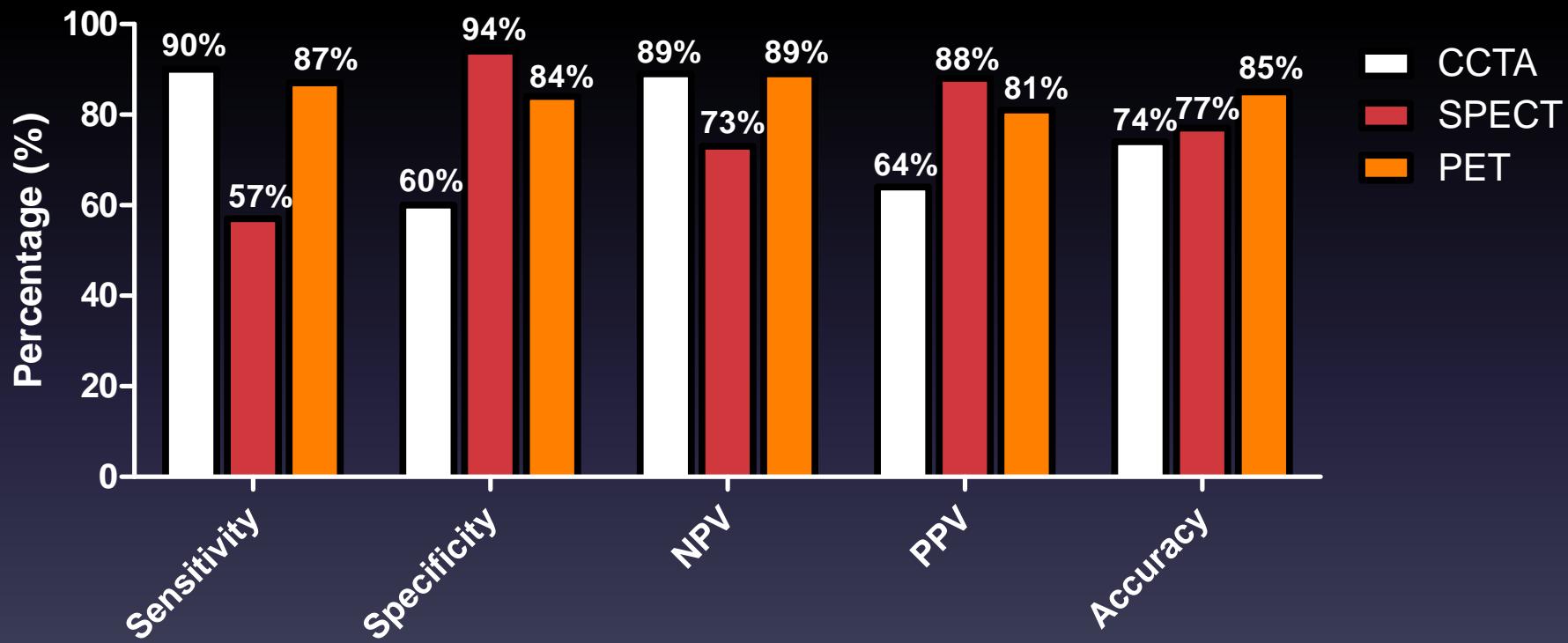


## Day 2



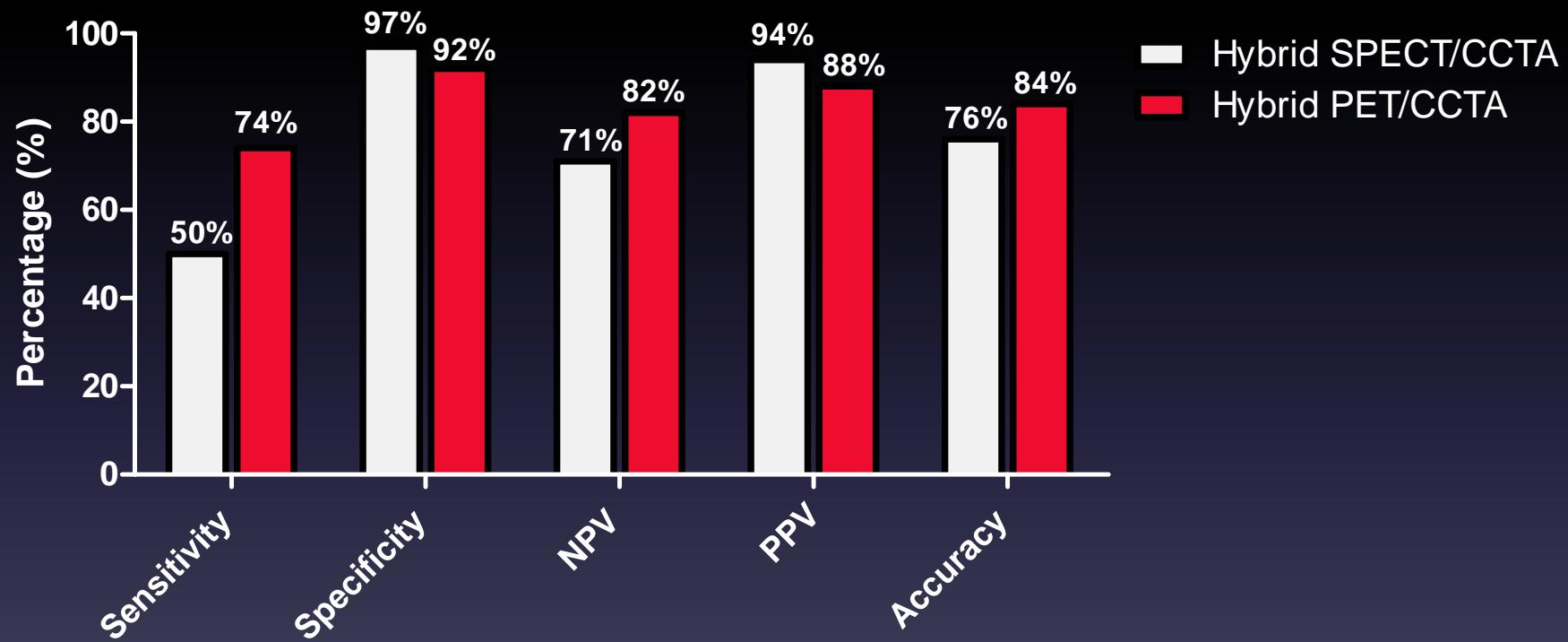
# Results - Diagnostic accuracy

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# Results - Diagnostic accuracy hybrid imaging

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# Conclusion

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- This first prospective head-to-head comparative trial revealed PET to exhibit the highest accuracy for diagnosis of myocardial ischemia in patients with an intermediate pre-test likelihood
- A combined anatomical and functional assessment does not add incremental diagnostic value and guides clinical decision-making in an unsalutary fashion

