New methods for evaluating the significance of lower extremity arterial lesions and foot perfusion using fractional flow reserve (FFR) and MRI: How they work and their value in assessing therapeutic success

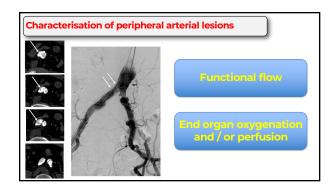
Bijan Modarai

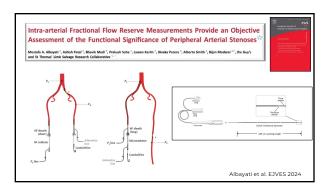
Professor of Vascular Surgery

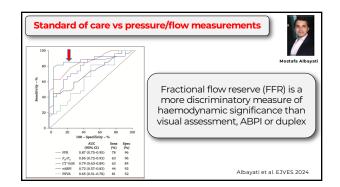
Academic Department of Vascular Surgery

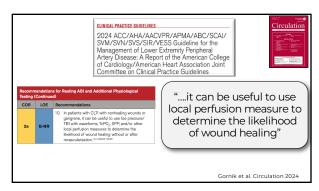
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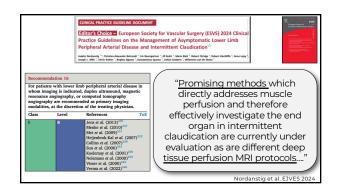


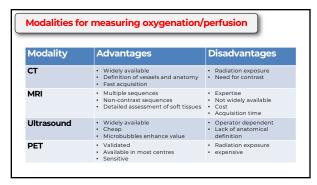


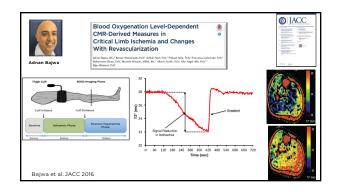


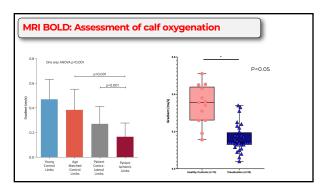


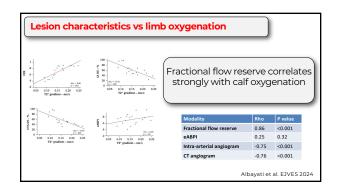


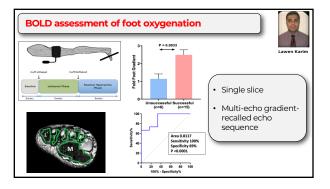


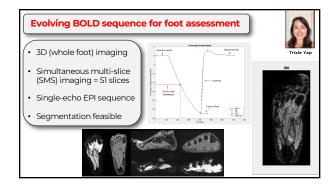


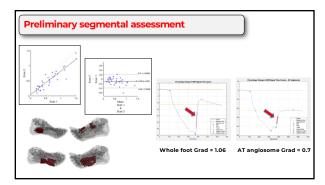












## Segmental foot oxygenation

- Move toward functional assessment of PAD
- FFR  $\rightarrow$  haemodynamic significance of lesions
- BOLD oxygenation  $\rightarrow$  end organ consequences of impaired flow
- Whole foot MRI assessment of oxygenation is feasible
- Important to develop a tool with day to day clinical utility