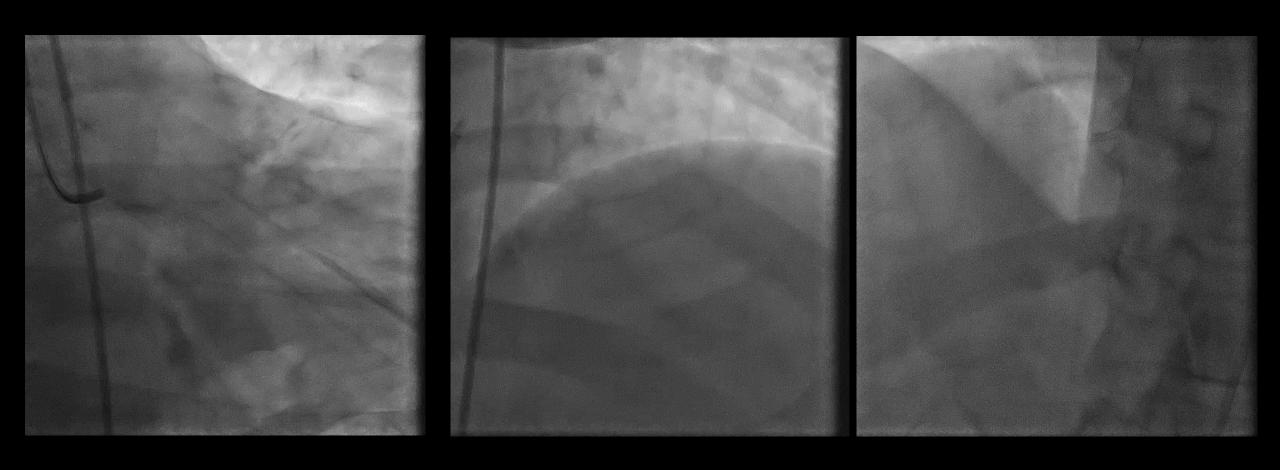


DEFINE PCI in Action

Marc A. Sintek, MD

Assistant Professor of Medicine Interventional Cardiology Washington University in St. Louis

- 75 years old with history of ESRD on HD, HTN and diabetes presented for pre transplant evaluation.
- Was having new onset dyspnea on exertion.
- Denied frank angina.
- Stress test was normal.

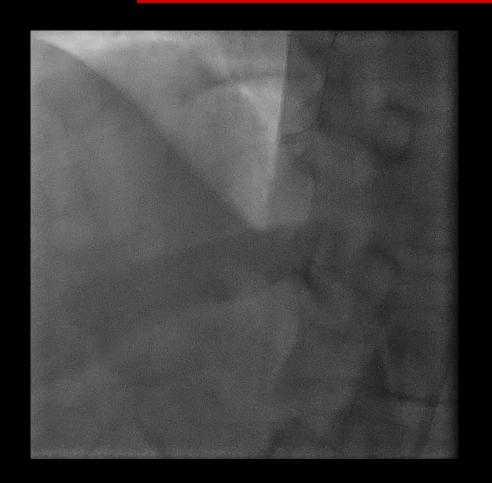


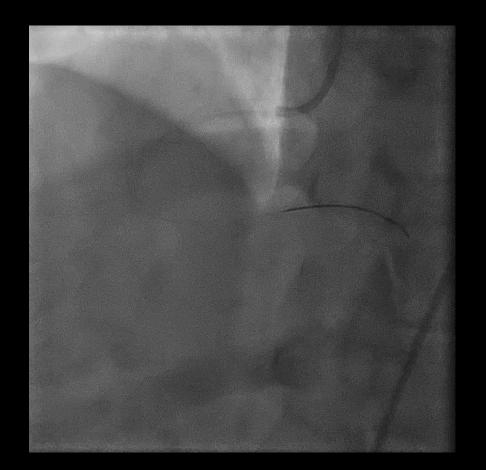
What the heck to do you do now? Does he have multivessel disease?



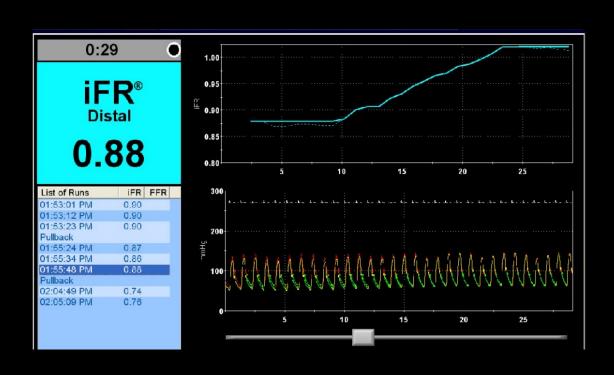
LAD RAMUS RCA

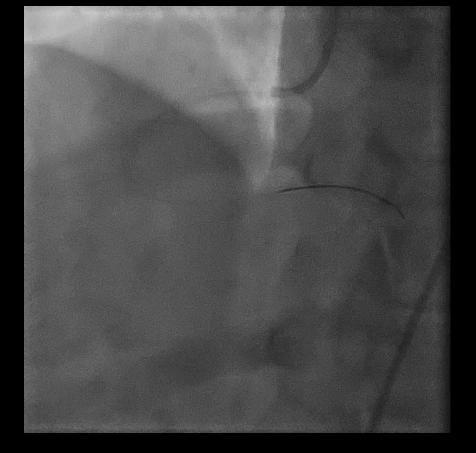
Plan for this physiology?





Post PCI 3.0 DES but IVUS won't go distal





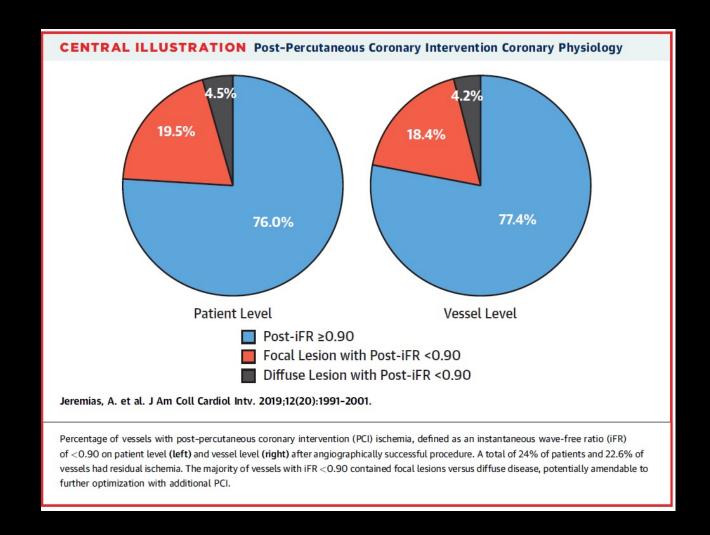
Post PCI iFR with wire in the PDA





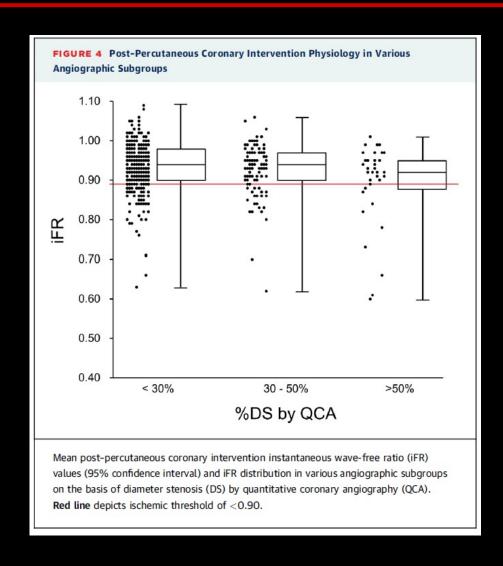
Post dilatation with 3.5mm up to 20atm and repeat iFR.

DEFINE PCI



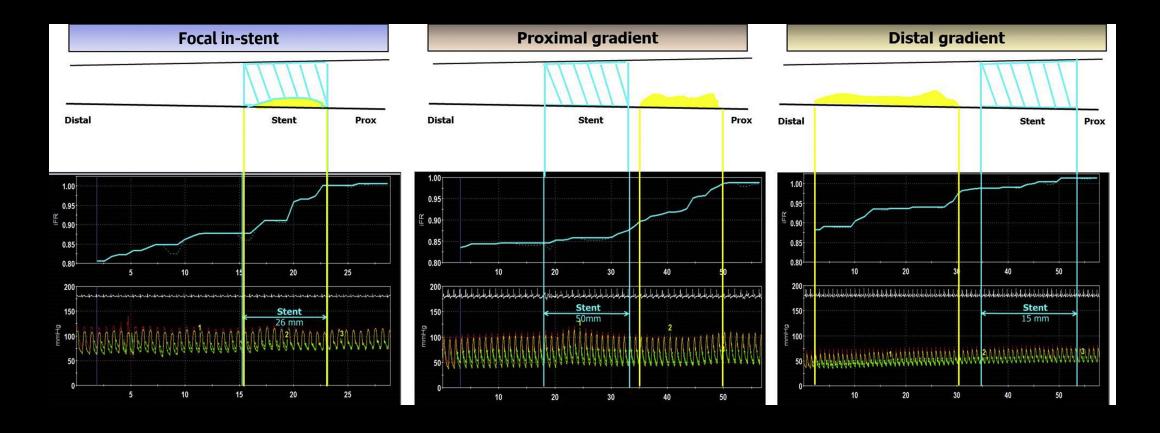
22% Residual Ischemia
-38.4% In stent
-31.5% Proximal Stent
-29.5% Distal Stent

DEFINE PCI



Precision is not achieved by the angiogram alone.

Precision with PCI



Physiology Can help find poor PCI. Imaging Can prevent it.

Conclusion

- We must rely less on the angiogram and more on imaging and physiology.
- Don't be afraid to preform post PCI iFR.
- Incorporate Co-registration into pre and post iFR evaluations.