FIBER-OPTIC 0.014" PRESSURE-WIRE: USE AFTER BALLOON ANGIOPLASTY AND STENT IMPLANTATION

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DISCLOSURES

- · Consultant, Opsens
- Scientific Director of International Chair in Interventional Cardiology and Transradial Approach
 - operates <u>www.theradialist.org</u> &
 - organizes AIM-RADIAL congress (<u>www.aimradial.org</u>)
 - Chair receives funding from multiple industry and other sources
 - · O₂ FIM study management and data analysis

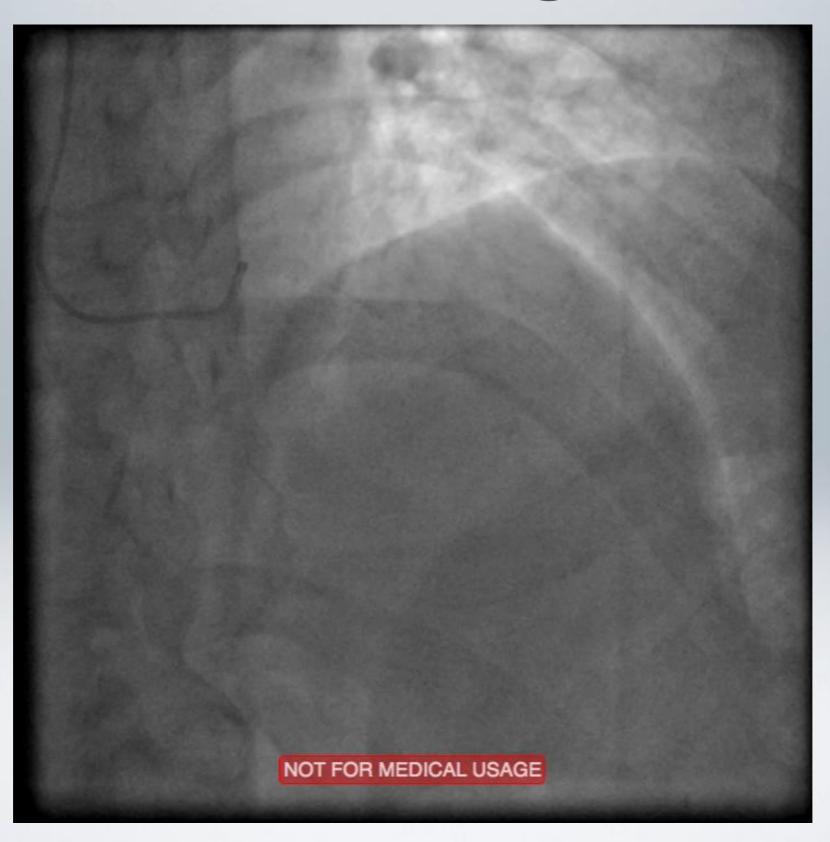
CASE STORY

- 83 year old man
- RF: glucose intolerance, hypertension
- crescendo angina
- Exercice test +/+ 5 minutes

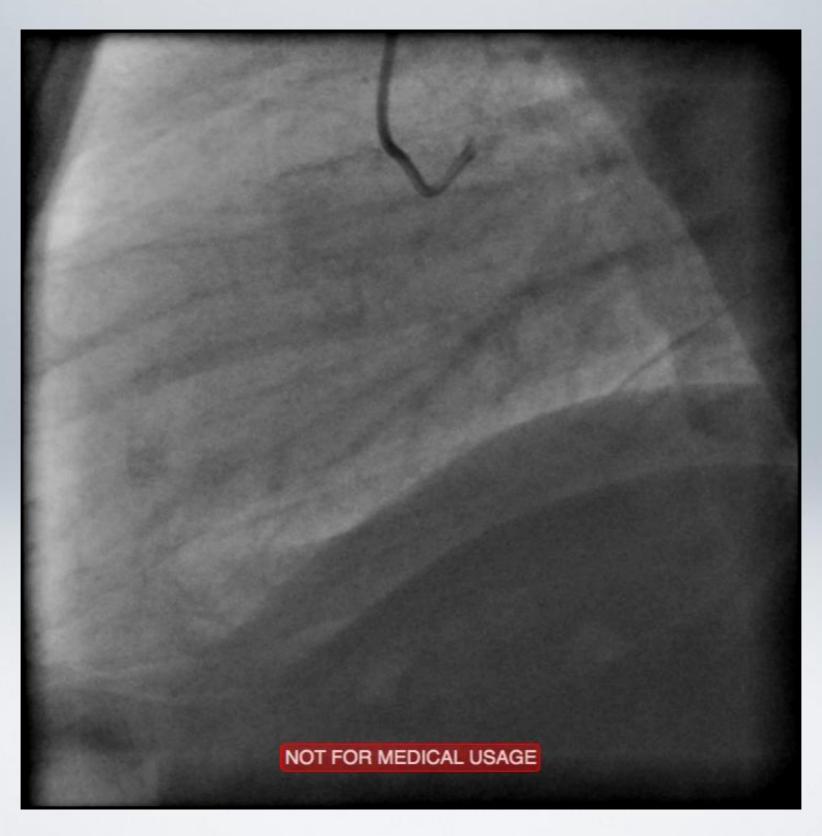
CAUDAL RAO VIEW



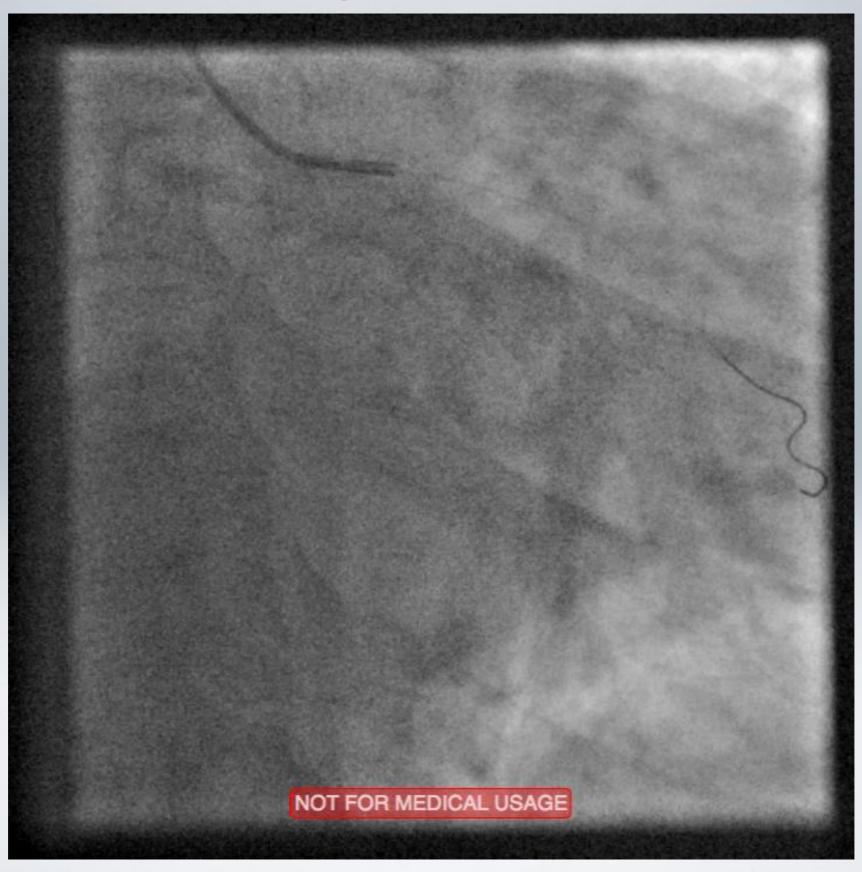
CRANIAL RAO VIEW



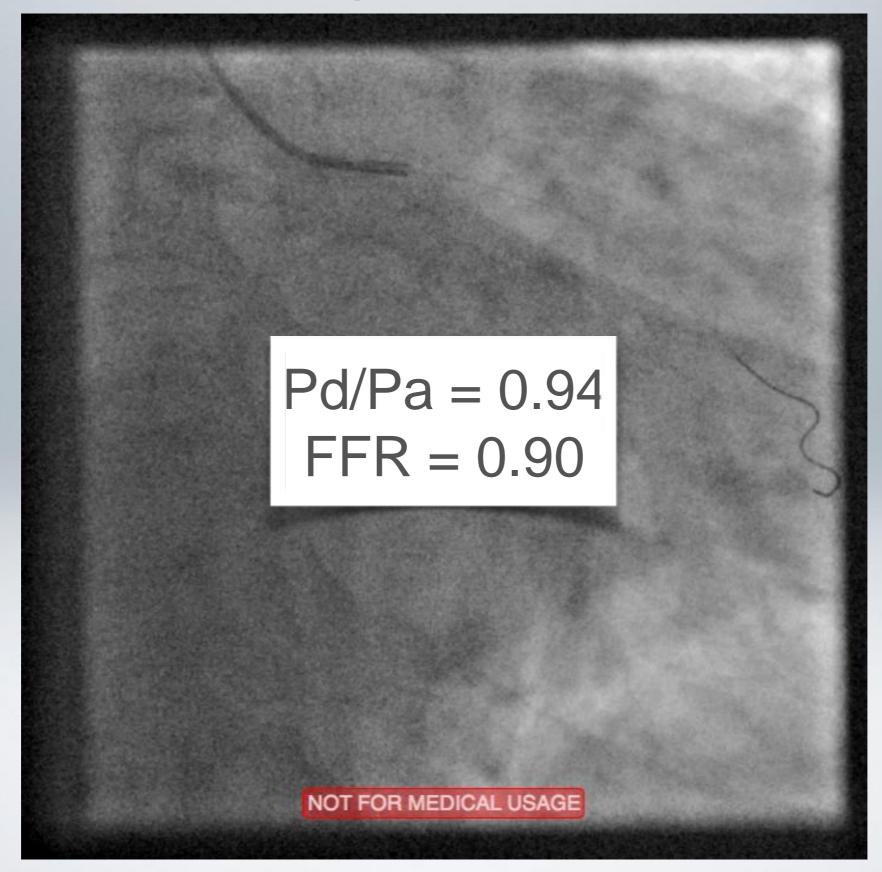
LATERAL VIEW



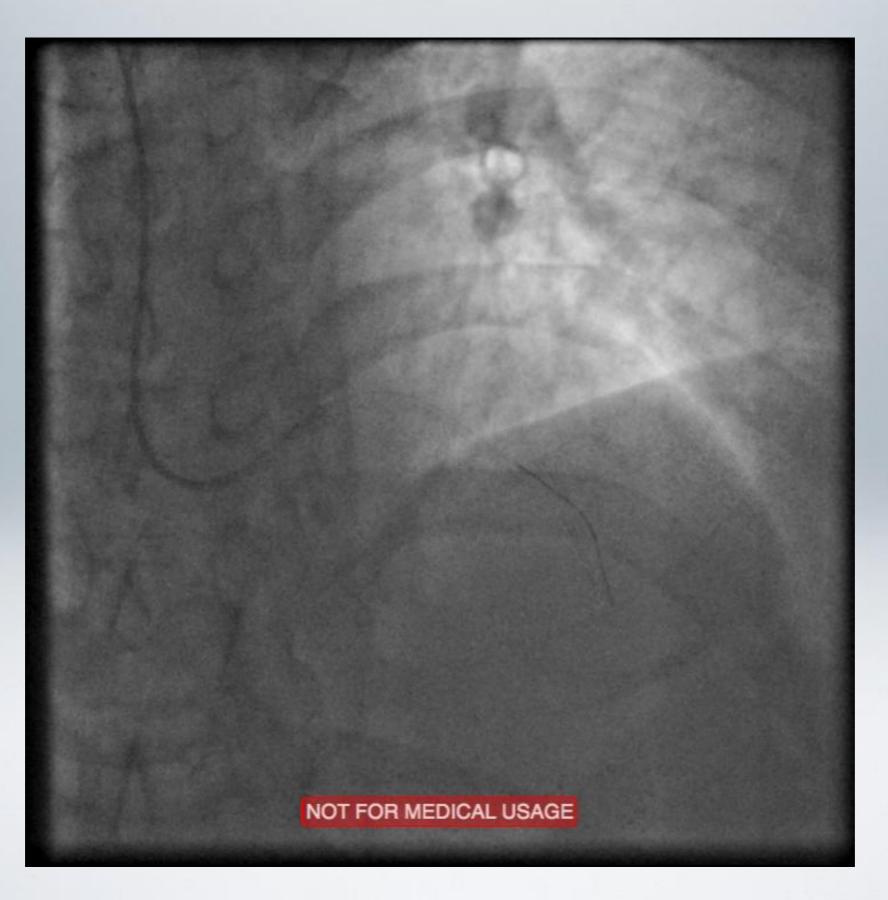
FFR IN CX ARTERY



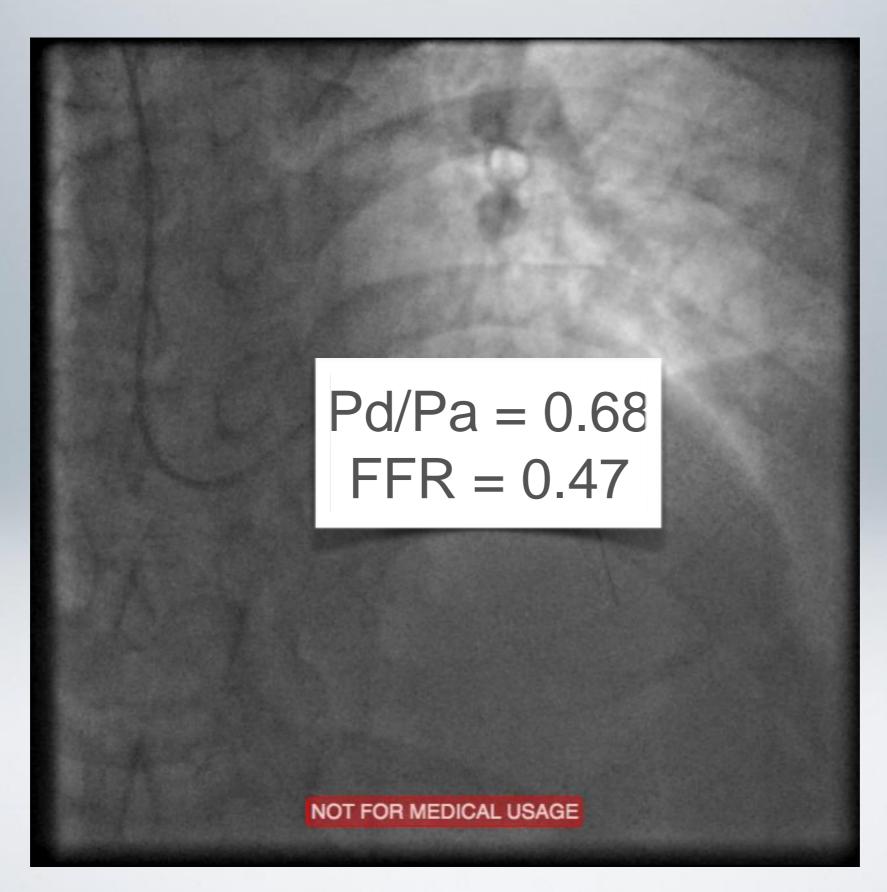
FFR IN CX ARTERY



FFR IN LAD ARTERY



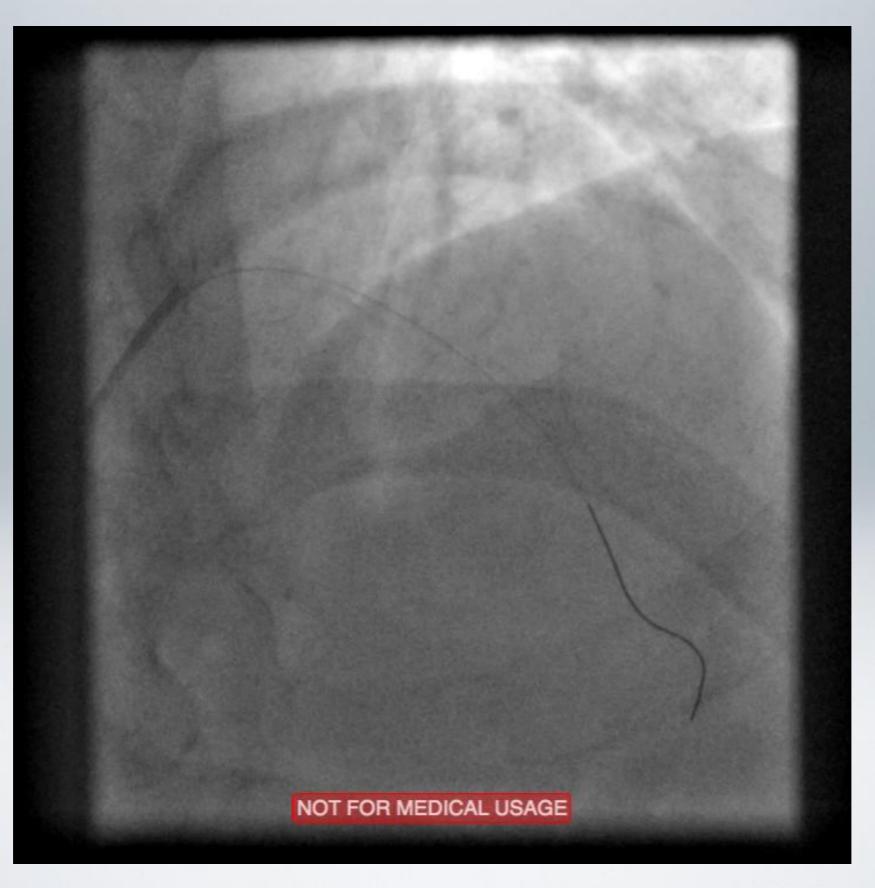
FFR IN LAD ARTERY



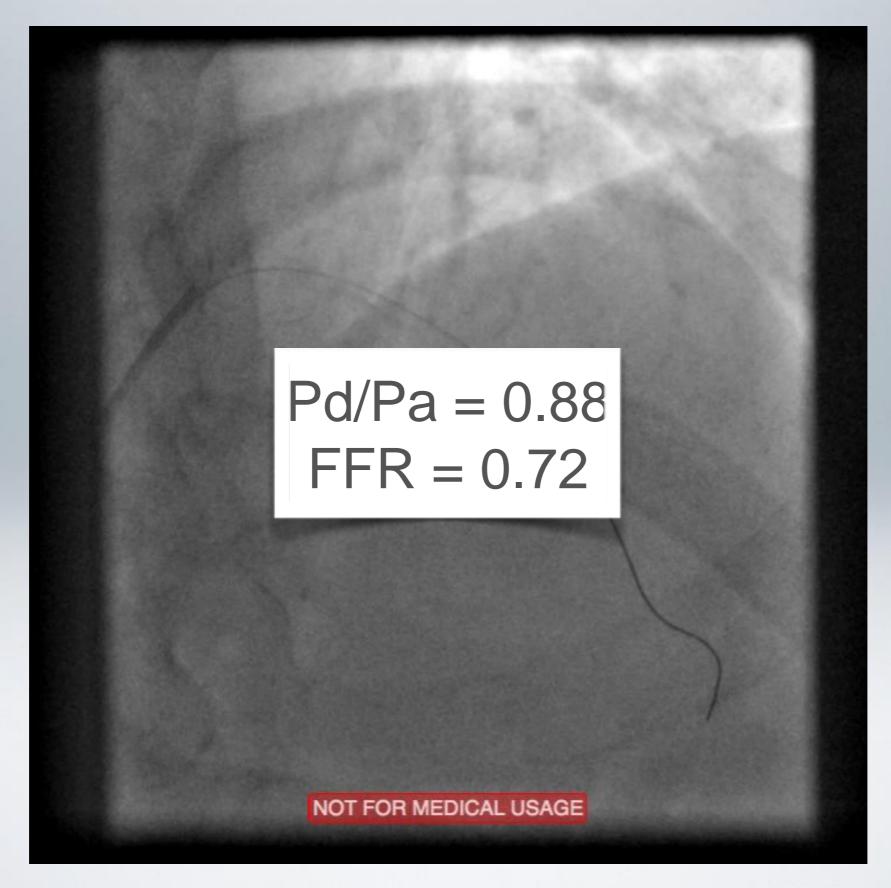
BALLOON 2.0MM



POST-BALLOON 1



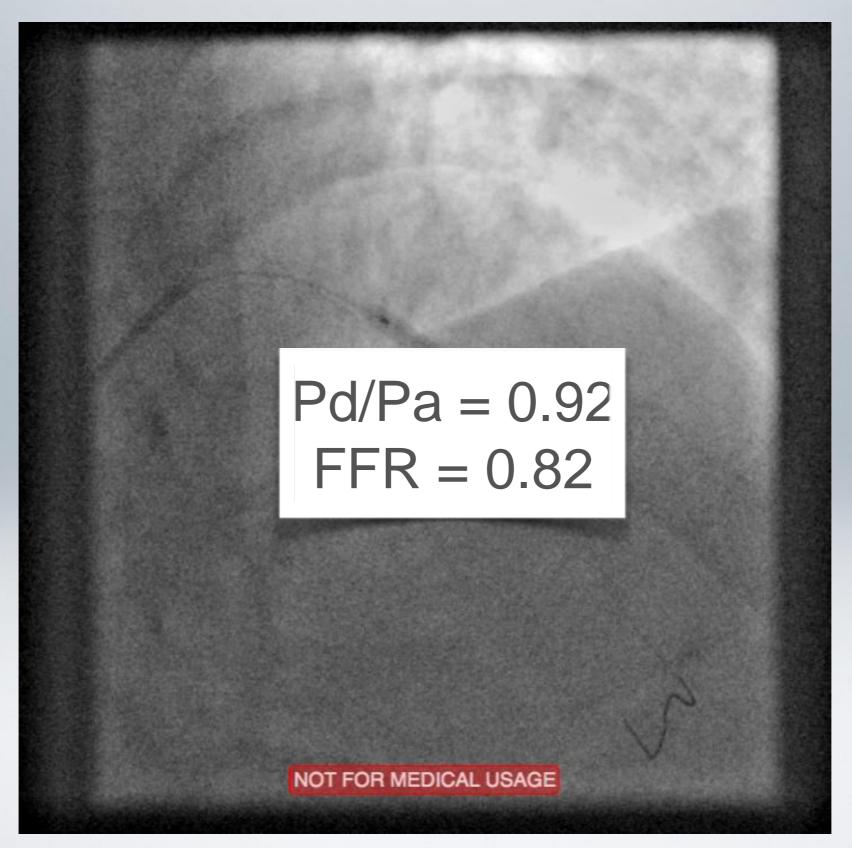
POST-BALLOON 1



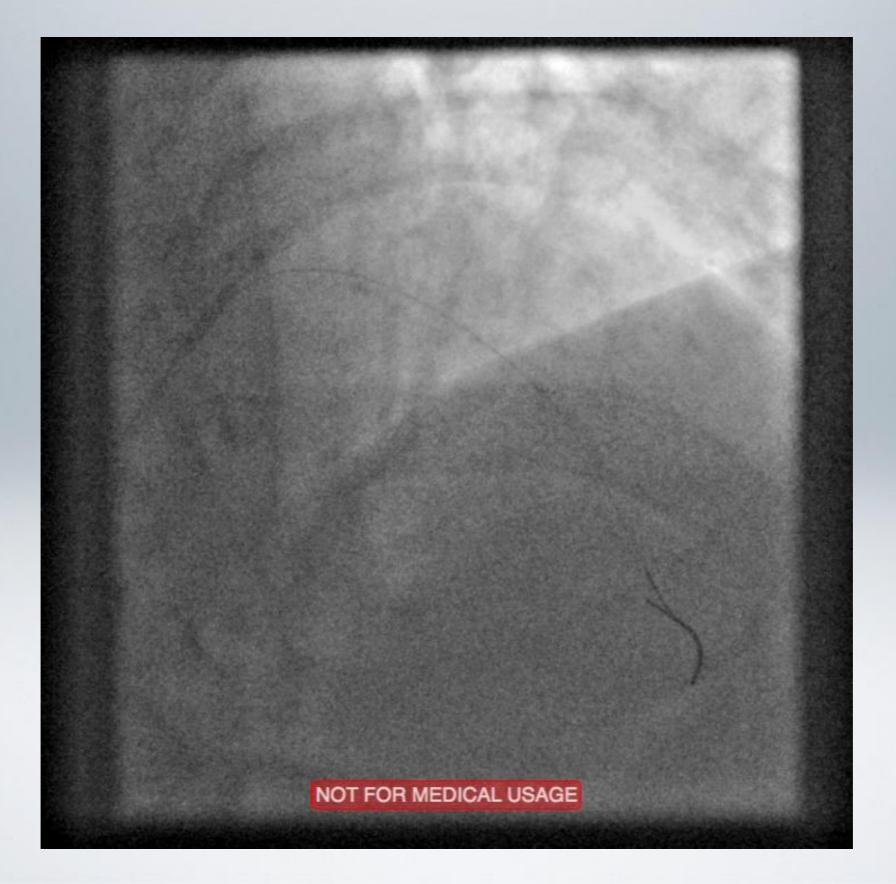
BALLOON 3.0 MM



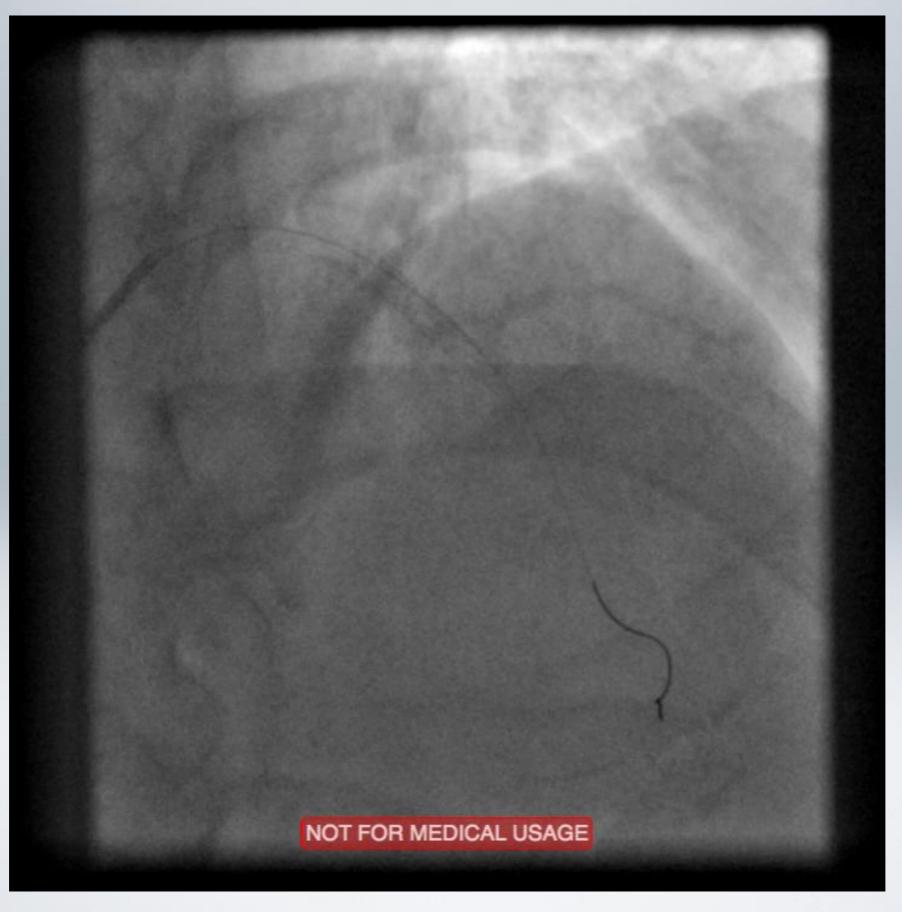
BALLOON 3.0 MM



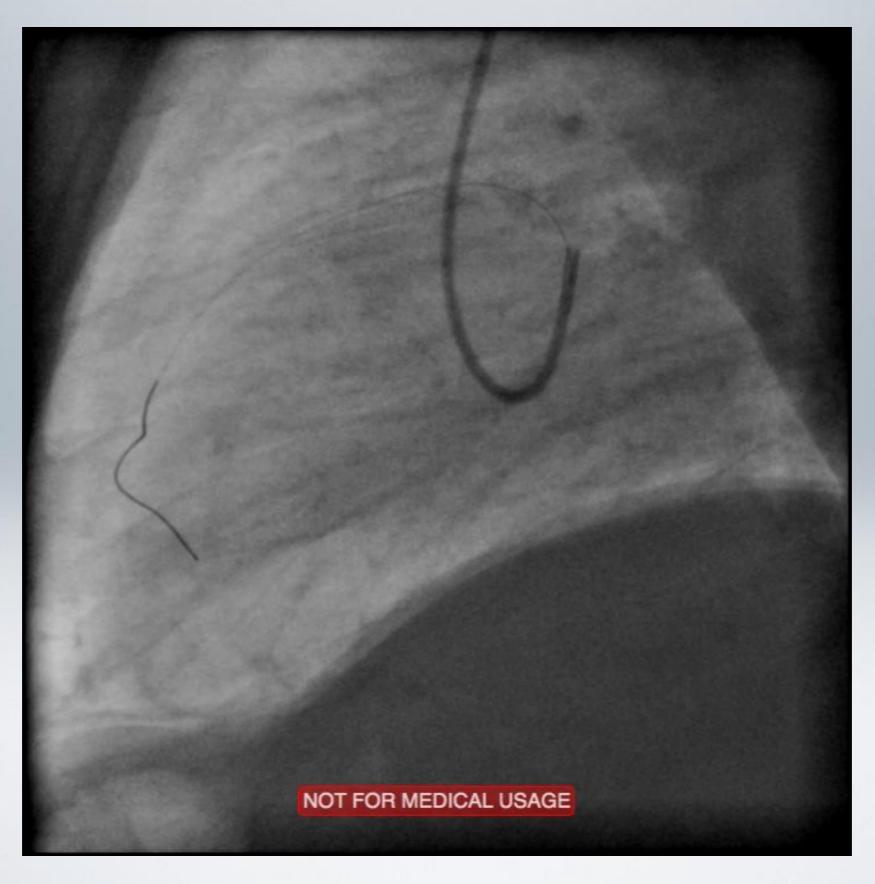
STENT IMPLANTATION



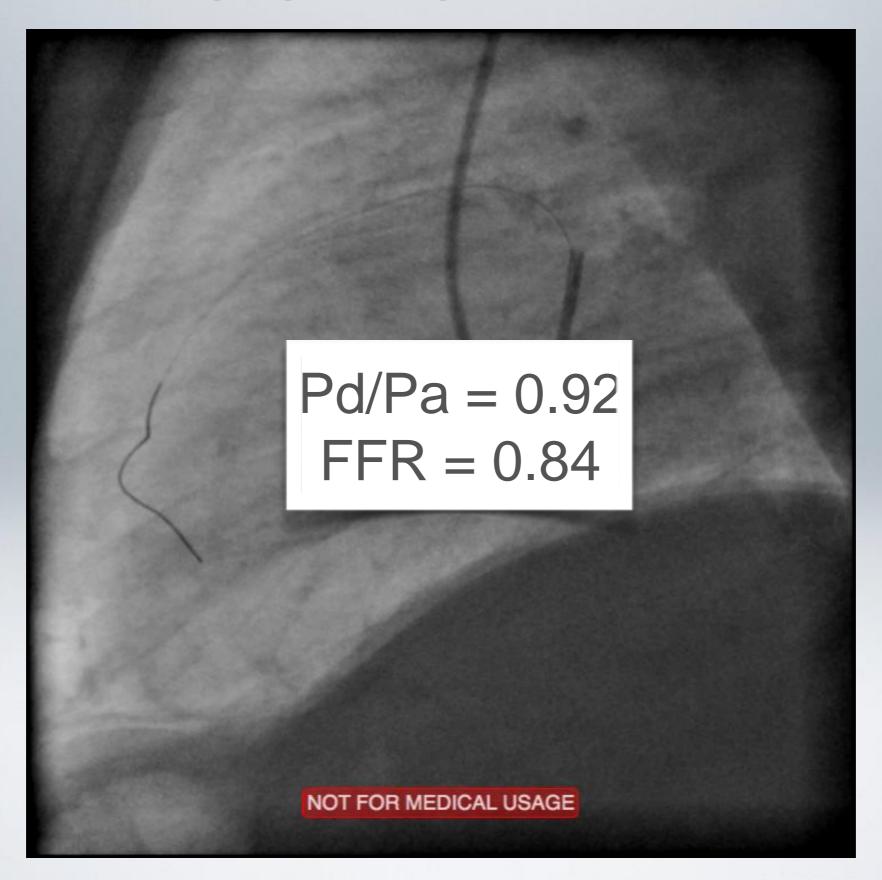
POST-STENT 1



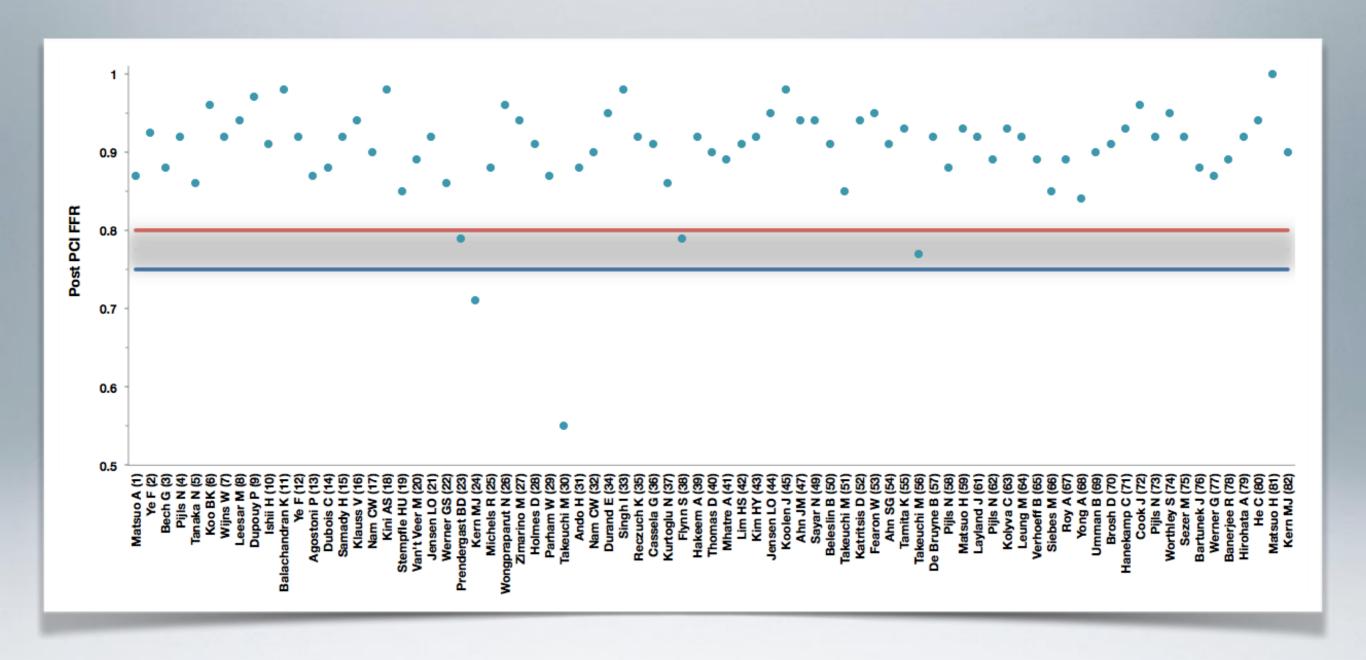
POST-STENT 2



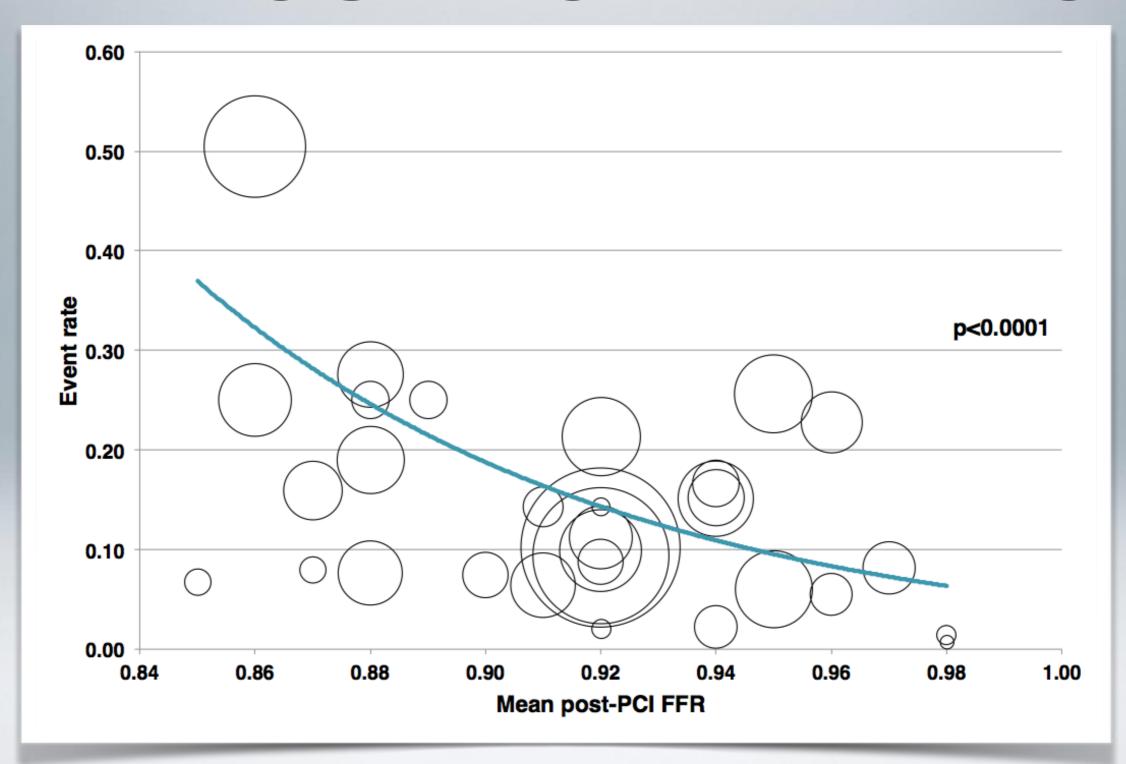
POST-STENT 2



FFR POST-PCI



FFR POST-PCI AND MACE



CONCLUSION

- FFR post-stent generally higher than post-balloon in accordance with lower residual pressure gradient
- Atherosclerosis is a diffuse process, hence perfect (1.0) result unlikely
- Is there a relationship between immediate post-PCI and clinical outcomes?
- Is there a threshold value?