





## BACKGROUND

Transradial (TR) bands have traditionally been used to haemostasis post-procedure. haemostasis-promoting discs have been designed to reduce haemostasis time and in turn facilitate patient flow, increase capacity and increase patient satisfaction if quicker discharge can be facilitated. StatSeal™ is a potassium ferrate based coagulant disc that promotes haemostasis and compared to other similar devices <sup>3</sup> it is neither immunogenic nor allergenic <sup>1</sup>.

## AIM

We tested the StatSeal™ device (Biolife, LLC, Sarasota, Florida) to see if a reduction in haemostasis time resulted in cost-savings for our cardiology department

## METHODS

We enrolled 100 consecutive patients attending for elective angiography and percutaneous intervention (PCI) via the radial route to take part in the evaluation. After radial sheath removal, half of the patients had a TR band applied only, while the other half had StatSeal™ in addition to the TR band.

## CONCLUSIONS

We therefore conclude that the StatSeal™ device is both safe and cost effective in securing haemostasis and should be routinely adopted in all centres who are currently using the radial artery as the default access for coronary angiography and PCI.

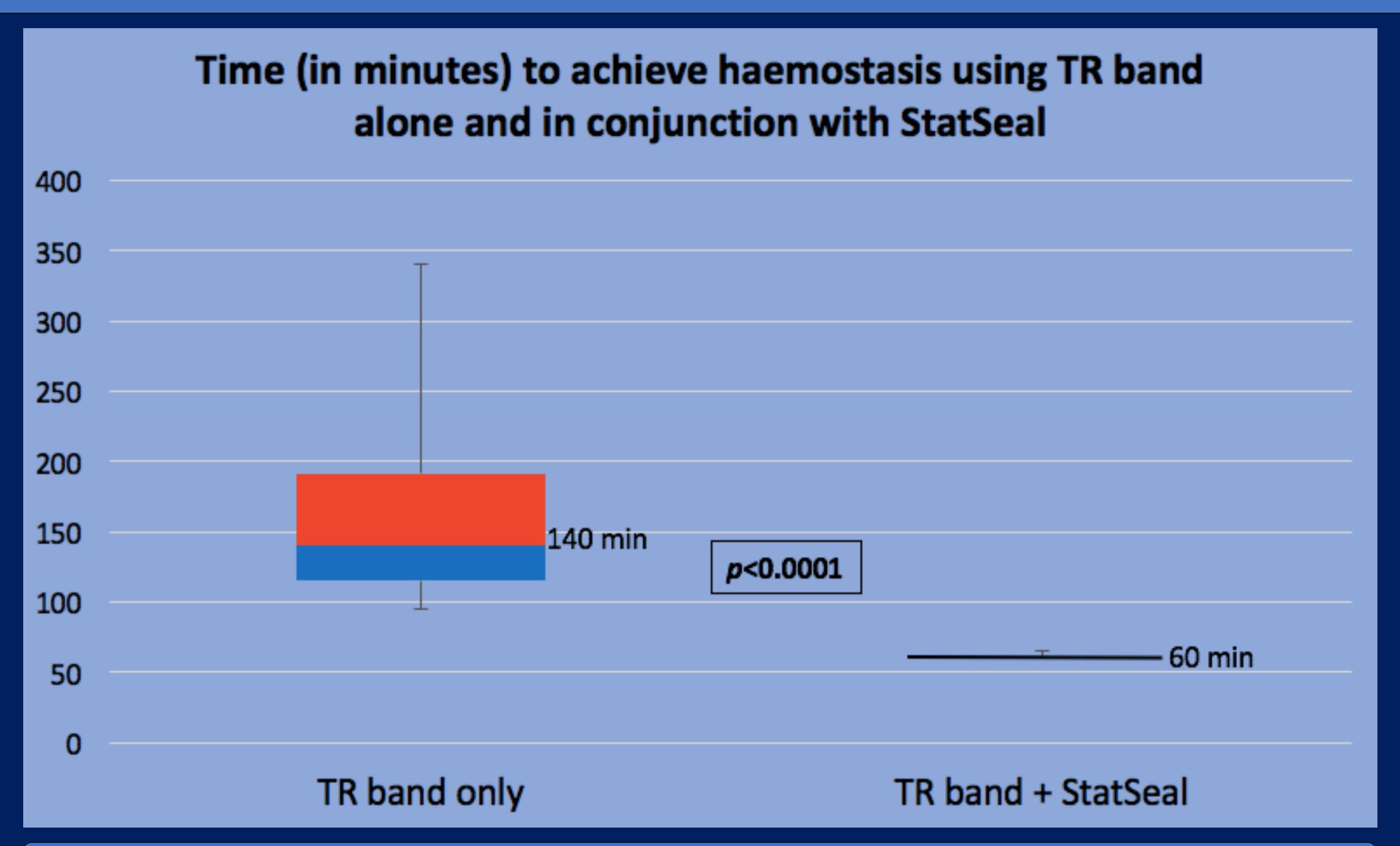
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# The quest for a radial lounge: StatSeal™ reduces transradial coronary angiography turn-around time and cost

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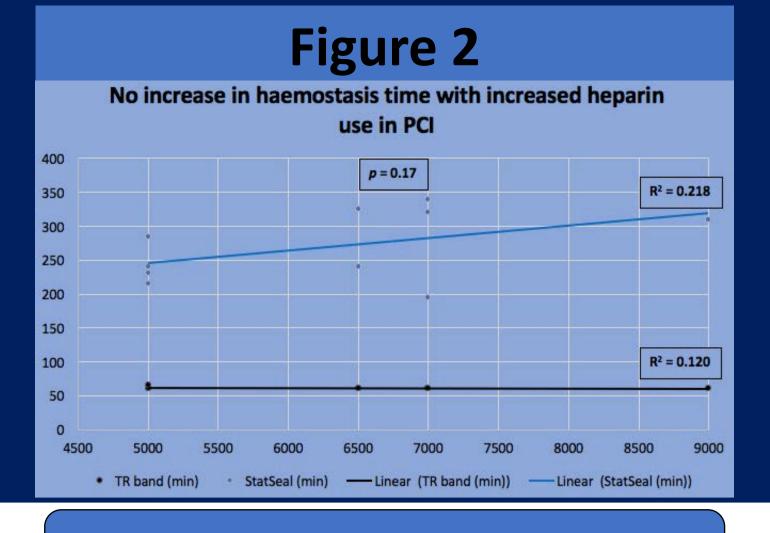
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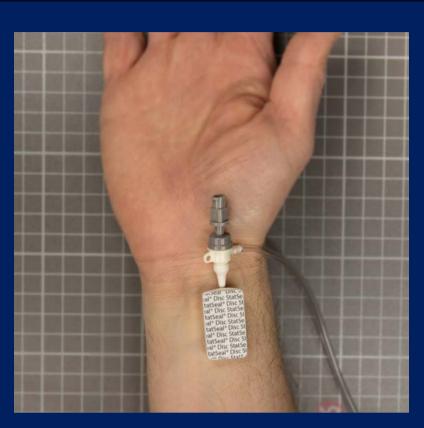
### RESULTS



## SUMMARY OF RESULTS

- 1) Figure 1 Time to haemostasis decreased significantly using the StatSeal™ disc after
  - $\rightarrow$  Angiography (135.1 vs 60.9 min, p<0.0001)
  - > PCI (270 vs 60.5 min, p<0.0001)
- 2) Figure 2 No significant increase in haemostasis time with increasing doses of heparin (R2 = 0.218, p = 0.17) or the size of the radial sheath inserted (5F and 6F)
- 3) Cost saving of £12 (\$14.97) per angiogram, and £52.20 (\$65.10) per PCI procedure as estimated using the UK National Schedule of Reference costs data<sup>2</sup>
  - > Or using US equivalent data<sup>3</sup> a mean of \$104.90 per angiogram and \$341.69 per PCI procedure





StatSeal disc applied prior to TR band application



- 1) Hydrophilic polymer dehydrates the blood upon contact forming a seal
- 2) Potassium Ferrate agglomerates the solids and proteins to the seal
- 3) Complete stasis in the tract enhances healing at the arterial puncture site





Patient is discharged with StatSeal and dressing place. Removed after 24 hours.