

# Sarah Kattenhorn

## Safe Development of Button Hole with PTFE



Declaration  
I have no commercial  
interest to declare



# Wessex Kidney Centre

Population 2.3million

Low Clearance 384

Transplants 952

HD 674

PD 75



# 64 patients now on Home Dialysis Programme



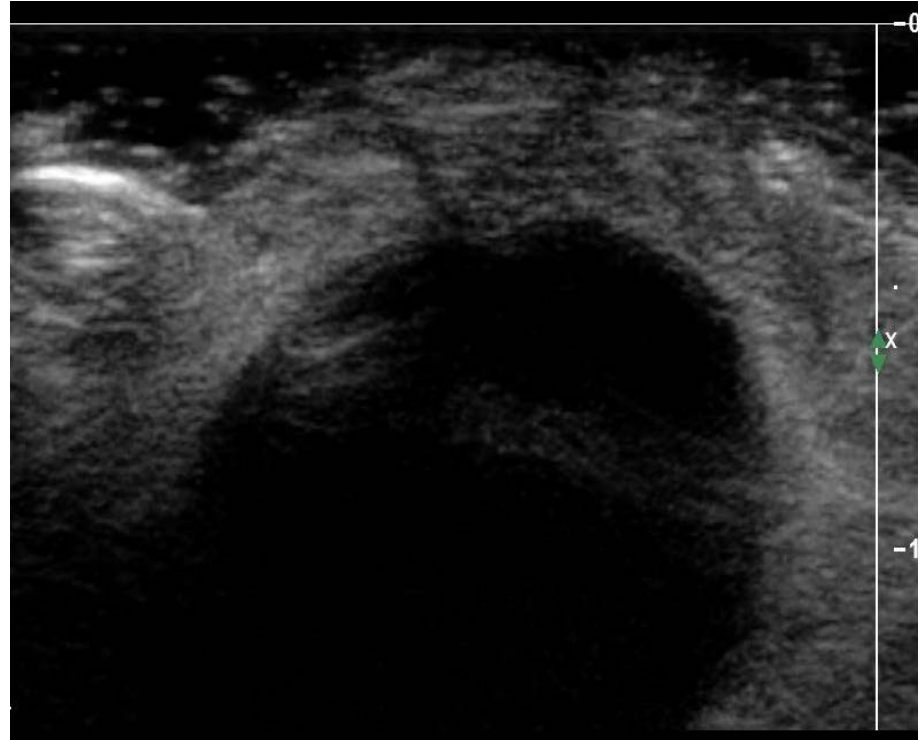
# HHD Concerns with PTFE

Regular needling would cause  
reduced graft life  
Infection

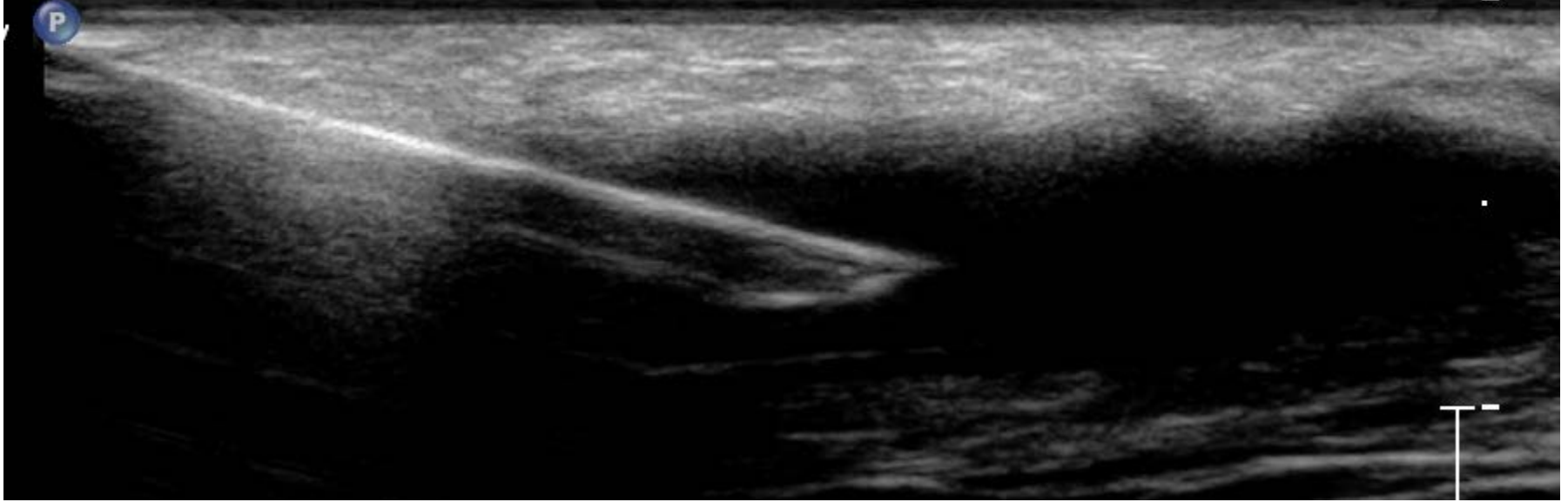
Patient pressure and equality  
of access to our HHD  
programme lead us to explore  
using button hole technique  
for grafts



# Why Ultrasound



Right VENOUS BUTTON HOLE 14/11/14|



Checking needle position

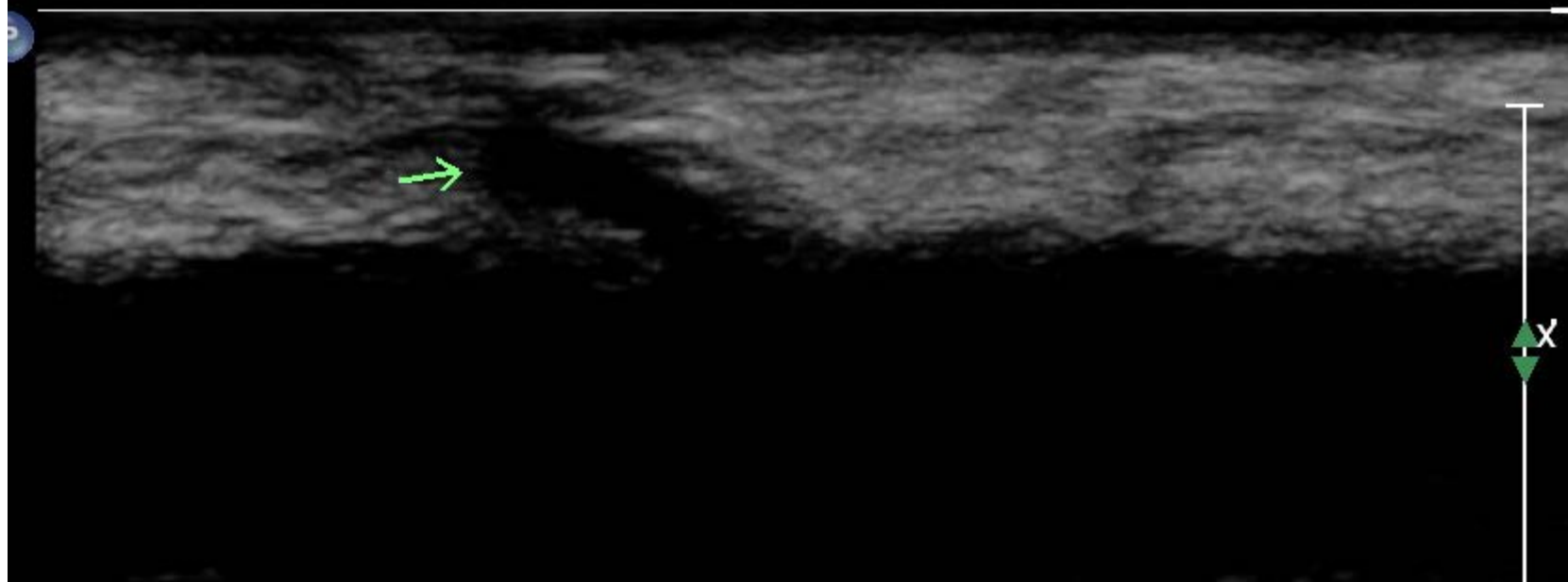


Scan looking for collections  
potential early infections  
False Aneurysms  
Track Formation  
Integrity of the graft

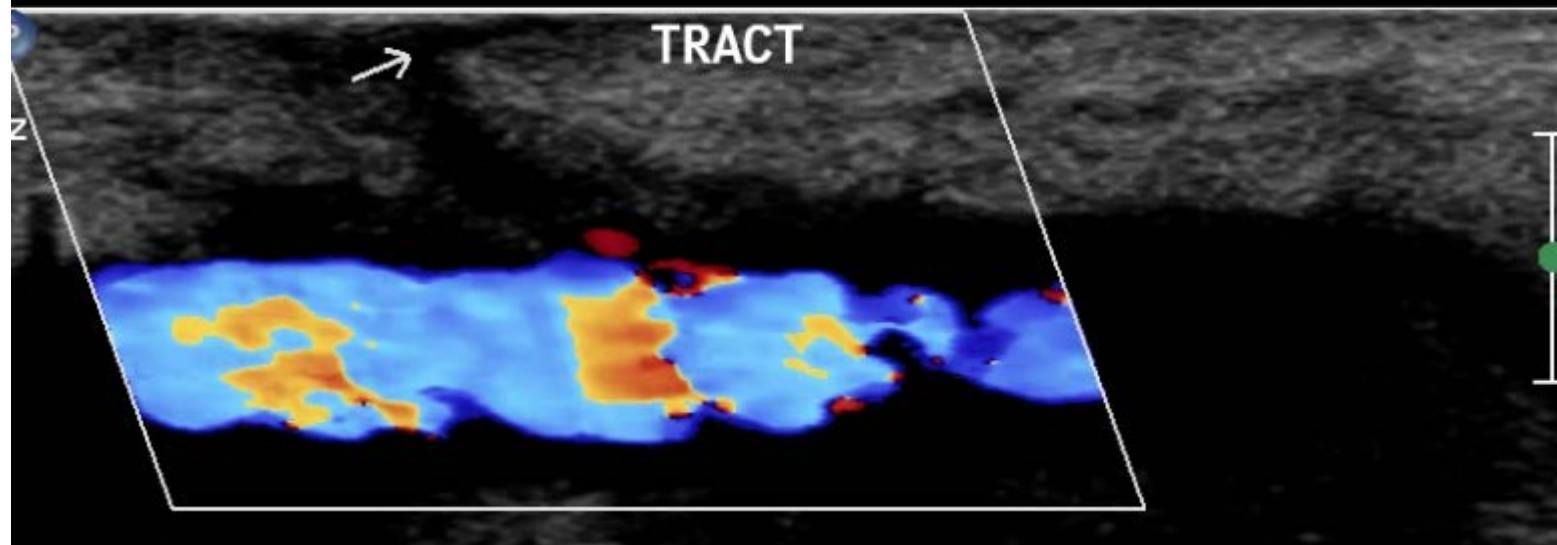
Right VENOUS TRACT 24.11.14



Right VENOUS LEG LOOP 12.1.15 |



# Right VENOUS BUTTONHOLE









# Conclusion

We have successfully established button holes in PTFE arterio-venous grafts

We now have 5 patients with established button holes

1 forearm PTFE

2 Leg Loops

2 UA PTFE

The use of U/S has given us the confidence to allow HHD patients to develop button holes



# Thank you

Special thanks to Sophie McDermot trainee  
vascular scientist for regular scans

Charge Nurse Julius Dagunan for dedicating the  
time to establish and monitor the button holes

Thanks to David for driving the whole process







Most Recent Weight

**88.0 kg**

Most Recent Access Flow

**1730.0 mL/min**

Current Access Location

**Right Upper Leg**

Most Recent Cardiac Output

Current Access Type

**Loop Graft**

Current Access Creation

**08/07/14**

Last Intervention Type

**New Loop Graft**

Last Intervention Date

**08/07/14**

