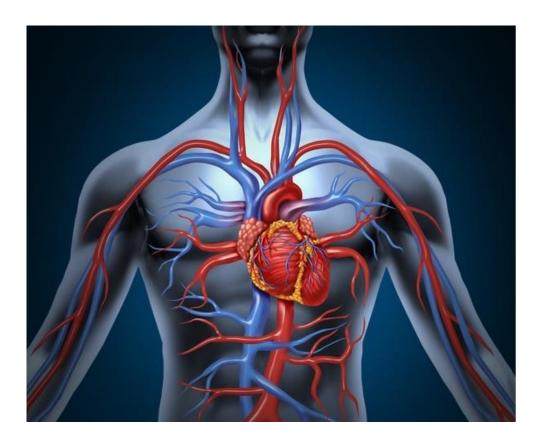




Vascular Access



Jackie Nicholson
Consultant Nurse Venous Access Service









1832 Dr Thomas Latta

1st to use saline injection for a patient suffering from cholera

188 years to get practice right













Infusion phlebitis

Infection

Bruising







Extravasation – early

Extravasation – late

Infiltration







Site & gauge selection

Peripheral I.V. insertion sites Cephalic Vein 22-16 GA 1 Dorsal Metacarpal Veins, 24-20 GA no above ACF vesicants, short term 2 Median Cubital Vein (ACF) 2 Dorsal Venous 3 Accessory Cephalic Vein Network, 24-20 GA no 22-18 GA avoid vesicants, short term tip in ACF avoid wrist Basilic Vein 22-16 GA 3 Cephalic Vein 22-16 5 Cephalic Vein 22-16 GA GA avoid wrist 6 Median Antebrachial Vein 4 Basilic Vein 22-16 GA 24-20 GA **IDEAL** WITH CAUTION AVOID 3M is a trademark of the 3M Company. © 3M Health Care Limited 2008.







Surveillance scoring tool

VIP - Visual Infusion Phiebitis Score (score from 0 - 5)				
IV site appears healthy	0	>	No signs of phlebitis	OBSERVE CANNULA
One of the following is evident: • Slight pain near IV site or • Slight redness near IV site	1	۸	Possible first signs	OBSERVE CANNULA
Two of the following are evident: • Pain at IV site • Erythema • Swelling	2	^	Early stage of phlebitis	RESITE CANNULA
All of the following signs are evident: Pain along path of cannula Erythema Induration	3	>	Mid-stage of phlebitis	RESITE CANNULA CONSIDER TREATMENT
All of the following signs are evident and extensive: Pain along path of cannula Erythema Induration Palpable venous cord	4	>	Advanced stage of phlebitis or start of thrombophlebitis	RESITE CANNULA CONSIDER TREATMENT
All of the following signs are evident and extensive: Pain along path of cannula Erythema Induration Palpable venous cord Pyrexia	5	>	Advanced stage of thrombophlebitis	INITIATE TREATMENT
Adapted by St George's NHS Trust's Venous Access Service and Laura Curnick from the original VIP score devised by Andrew Jackson, Consultant Nurse.The Rotherham NHS Foundation Trust				

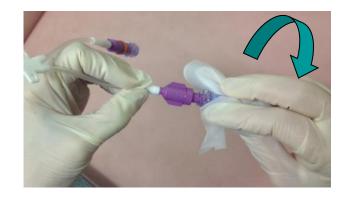






Scrub the Hub and the Push/Pause flush

Scrub the hub



Push, pause flush









Peripheral devices

Peripheral cannula < 10 days IV therapy



Midline >10 days < 4weeks





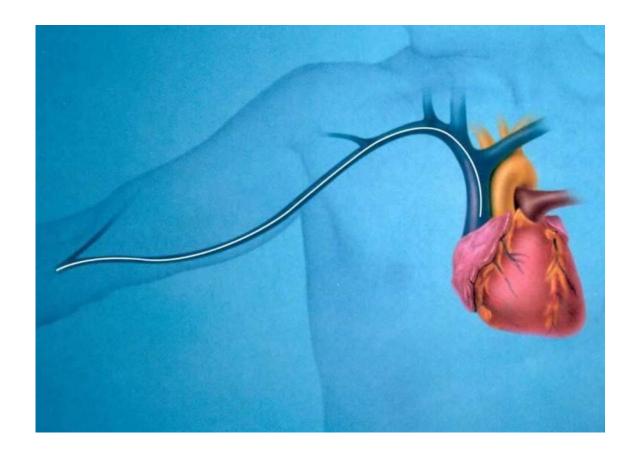
Integrated all-in-one placement device Midline – blood sampling in selected patients







Central Venous Catheters



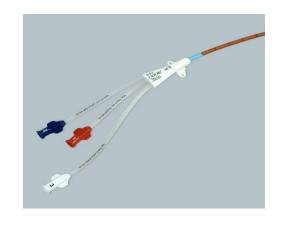


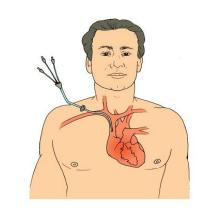




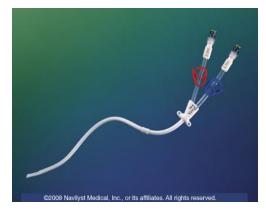
Acute Central Venous Catheters

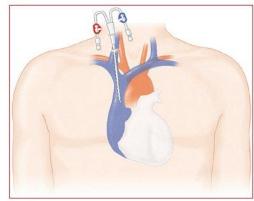
Central Venous Catheter (CVC) acute line or CVP line





Vascular Catheters (vascaths): apheresis, haemo-filtration, haemo-dialysis





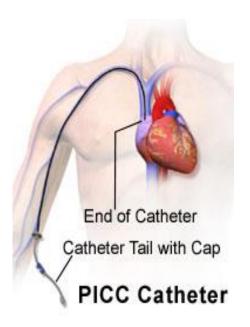






Peripherally Inserted Central Catheters (PICC)







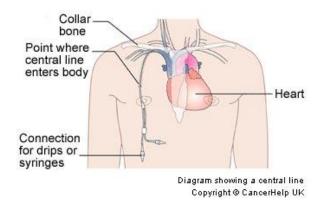




Skin-Tunnelled (cuffed) Catheters

'Hickman' 'Broviak' 'Groshong'













Skin-Tunnelled (cuffed) Renal Catheters

'Permcath'











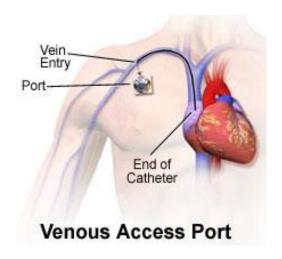








Totally implanted Venous Access Device 'port'











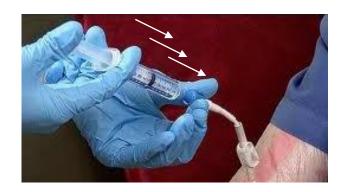


Scrub the Hub and the Push/Pause flush

Scrub the hub



Push, pause flush









https://youtu.be/RIsBB6TmZvA

Glen's story

