

SingHealth Investigational Medicine Unit (IMU)

CHUA Wanxiao

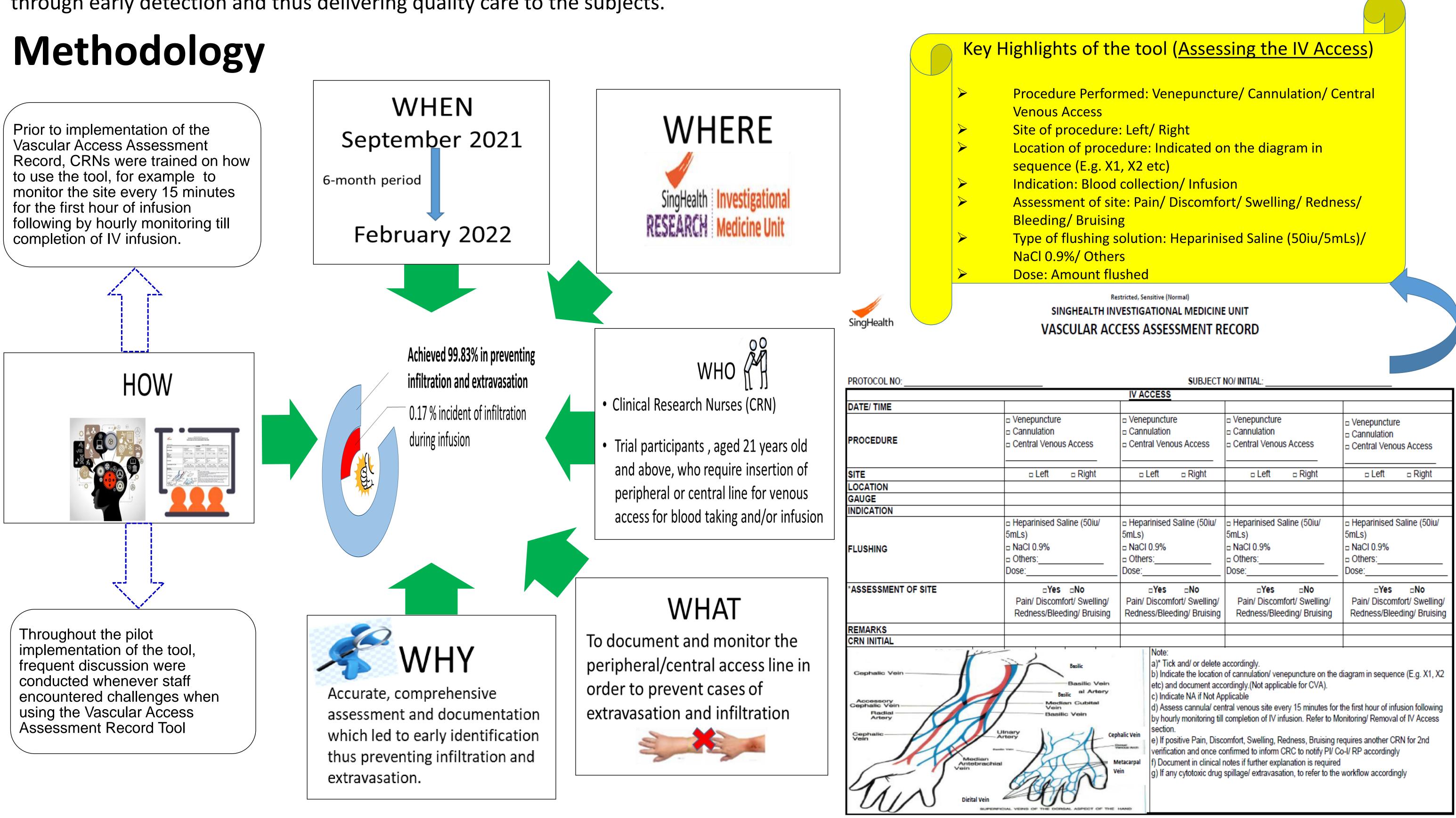
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Introduction

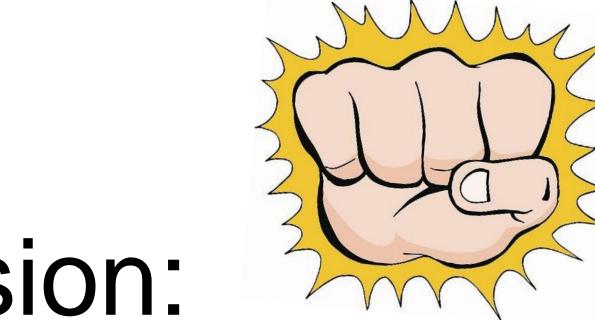
In the past, vascular sites are monitored periodically with observations charted on clinical notes by SingHealth IMU Clinical Research Nurses (CRNs). It is sub-optimal since extravasation and infiltration cannot be identified promptly, the documentation may be subjective as it is dependent on individual style of recording. The Vascular Access Assessment Record was designed therefore with a primary aim to prevent cases of extravasation and infiltration through early detection and thus delivering quality care to the subjects.



Key Highlights of the tool (MONITORING/ REMOVAL OF IV ACCESS)

- Indicate the purpose for IV Access: Blood collection/ Infusion Patency and anchoring of site needs to be checked for infusion
- Pain/ Discomfort/ Swelling/ Redness (PDSR) is checked every 15 minutes for the first
- hour of infusion following by hourly monitoring till completion of IV infusion
- IV access exit site should be assessed for any indication/ presence of PDSR and should be referred to doctor for further assessment and management if required
- For Central Venous Access, ensure flushing is done prior to de-accessing and removal of
- IV access

NOTE: Each column in the front page (IV ACCESS) corresponds to each row at the next page (MONITORING/ REMOVAL OF IV ACCESS)



Conclusion:

- 1. Enhanced subject safety by early detection and prevention of infiltration and extravasation
- 2. Prompt management of symptoms to prevent exacerbation



SINGHEALTH INVESTIGATIONAL MEDICINE UNIT VASCULAR ACCESS ASSESSMENT RECORD

Restricted, Sensitive (Normal)

				MONI	TORING	2 / DEM	OVAL OF I	V ACCES	•						
MONITORING / REMOVAL OF IV ACCESS □ BLOOD SAMPLE □ INFUSION															
i) Good Backflow before Start of Infusion? Yes ii) Peripheral/ Central Venous site well anchored? Yes															
DATE:													Others:	Remarks	
	0min	15min	30min	45min	1hr	2hr	3hr	4hr	5hr	6hr	7hr	8hr		Kemarks	
Pain /Discomfort/Swelling/Redness	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N		
CRN INITIAL															
Time of removal :hr. Exit Site Assessment:Pain/ Discomfort/ Swelling/ Redness Y / N															
Flushing done prior to Hep Lock? Hep															
Lock Done?															
□ BLOOD SAMPLE															
i) Good Backflow before Start of Infusion? Yes =															
DATE:													Others:	Remarks	
	0min	15min	30min	45min	1hr	2hr	3hr	4hr	5hr	6hr	7hr	8hr			
Pain /Discomfort/Swelling/Redness	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N		
CRN INITIAL															
Time of removal : hr. Exit Si	te Assessr	nent:Pain	Discomfo	ort/ Swellin	ng/ Redr	ness Y	/ N								
Flushing done prior to Hep Lock? Hep	□ Y es	Please Sp	ecify:												
Lock Done?															
□ BLOOD SAMPLE □ INFUSION															
i) Good Backflow before Start of Infusion? Yes ii) Peripheral/ Central Venous site well anchored? Yes															
DATE:										•			Others:		
	0min	15min	30min	45min	1hr	2hr	3hr	4hr	5hr	6hr	7hr	8hr		Remarks	
Pain /Discomfort/Swelling/Redness	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N		
CRN INITIAL															
Time of removal : hr. Exit Site Assessment:Pain/ Discomfort/ Swelling/ Redness Y / N															
Flushing done prior to Hep Lock? Hep Yes Please Specify:															
Lock Done?															
BLOOD SAMPLE														ISION	
i) Good Backflow before Start of	of Infusion	? Yes □							ii)	Periphera	I/ Centra	l Venous		nchored? Yes	
DATE:										211,011010		12.1040	Others:		
	0min	15min	30min	45min	1hr	2hr	3hr	4hr	5hr	6hr	7hr	8hr		Remarks	
Pain /Discomfort/Swelling/Redness	Y/N	Y/N	Y/N		Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y / N		
CRN INITIAL															
Time of removal : hr. Exit Site Assessment:Pain/ Discomfort/ Swelling/ Redness Y / N															
		Please Sp			.g. 11001										
Lock Done?	□ N o	0300 01	<u></u>												
Lock Dollo:	2110														