

**Ultra Sound Guided Peripheral IV Insertion #DAHS-NSCUSGPV17**

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<b>Name:</b>	<b>PPS#:</b>
<b>Unit:</b>	<b>Title:</b>

PERFORMANCE CRITERIA - Unless otherwise specified all skills will be demonstrated in accordance with the appropriate UCDMC Policy and Procedure.

Method of Instruction		Preceptor Verification of Skill: Method of Evaluation	
<b>CP</b> =Clinical Practice	<b>P</b> =Policy/ Procedure Review	<b>N/A</b> =Not applicable to specific patient care area	<b>RD</b> =Return Demonstration
<b>D</b> =Demonstration	<b>SP</b> =Study Packet	<b>O</b> =Observation (in clinical setting)	<b>T</b> =Written Test
<b>E</b> =Education Session	<b>REF</b> =Reference Information only- <i>Not assigned in UCL</i>	<b>OT</b> =Online Test	<b>V</b> =Verbal
<b>OM</b> =Online Module			

**These skills will be considered complete when all below performance criteria are completed and have been scanned and emailed to: [hs-cppn@ucdavis.edu](mailto:hs-cppn@ucdavis.edu)**

	Method of Instruction:	Date	Initials of Preceptor	Method of Evaluation:
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<b>References:</b> 1. Brannam, L., Blaivas, M., Lyon, M., Flake M. "Emergency Nurses' Utilization of Ultrasound Guidance for Placement of Peripheral Intravenous Lines in Difficult-Access Patients." Acad. Emerg. Med,11(2), December 2004. 2. Keyes, L., Frazee, B., Snoey, E., Simon, B., Christy, D. "Ultrasound-Guided Brachial and Basilic Vein Cannulation in Emergency Department Patients with Difficult Intravenous Access." Annals of Emergency Medicine, 34(6), December 1999. 3. Doniger, S.J., Ishimine, P., Fox, J.C. and Kanegaye, J.T. "Randomized controlled trial of ultrasound-guided peripheral intravenous catheter placement versus traditional techniques in difficult-access pediatric patients." Pediatric Emergency Care, 25 (3), April 2009. 4. Blaivas, M. "Ultrasound-Guided Peripheral IV Insertion in the ED." AJN, 105 (10), October 2005. 5. UCD PCS XIII-24, "Peripheral Intravenous Line Care and Maintenance."				
RN must have worked in UC Davis Medical Center for a minimum of six months, have passed probation, and have no outstanding or ongoing performance improvement issues in order to perform ultrasound guided IV starts. RN must be IV certified for adults, and, additionally the RN must be IV certified for pediatrics if attempting ultrasound guided IVs on pediatric patients. Certification in the administration of Lidocaine must also be on file with CPPN if Lidocaine will be used for skin anesthesia.	<b>P</b>			
Review Study Guide "Ultrasound Guided Peripheral IV Starts"	<b>SP</b>			
Views video "Ultrasound Guided Central Venous Cannulation: An Interactive Tutorial" <a href="http://www.ucdmc.ucdavis.edu/emergency/Ultrasound%20CVC%20tutorial/DynamicUS_Dev29.html">http://www.ucdmc.ucdavis.edu/emergency/Ultrasound%20CVC%20tutorial/DynamicUS_Dev29.html</a>	<b>OM</b>			
Recognizes appropriate candidates for ultrasound guided IV starts. (CKD, mastectomy, DVTS, trauma)	<b>CP</b>			
Recognizes appropriate candidates for ultrasound guided IV starts. (CKD, mastectomy, DVTS, trauma)	<b>D</b>			
Obtains needed supplies and equipment.	<b>CP</b>			
Informs patient of procedure and reason for using ultrasound.	<b>O</b>			
Positions patient for ease of using the ultrasound probe.	<b>O</b>			
Preps around the potential insertion site, chux, towels, cleans area	<b>O</b>			
Applies non-sterile ultrasound gel (packet/bottle) to area of intended access	<b>O</b>			
Ensures probe is clean prior to use.	<b>O</b>			
Positions probe correctly on skin, identifies and differentiates veins and arteries	<b>O</b>			
Selects appropriate access site and notes probe position, and depth of vein.	<b>O</b>			

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Mark the site if needed and gain appropriate numbing solution if needed.	O			
Sterilely preps the site, uses local anesthetic as needed.	O			
Sterilely preps the ultrasound probe.	O			
Observes the needle insertion into the skin then into the vein while watching the ultrasound screen.	O			
Completes insertion, applies biopatch as indicated, secures site and applies dressing.	O			
Documents procedure in EMR, including use of ultrasound machine and total number of attempts by same RN (limit to 2)	CP			
Notifies MD of any complications or inability to access vein.	CP			
Demonstrates how to clean the ultrasound probe after each use with appropriate disinfectant.	O			
Successful PIV start using ultrasound	O			
Successful PIV start using ultrasound	O			
Successful PIV start using ultrasound	O			

**PRECEPTOR SIGNATURE**

**Signature and Printed Name of Preceptor or other verified personnel who have initialed on this form:**

Initial:	Print Name:	Signature:
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**PRECEPTEE STATEMENT AND SIGNATURE:**

I have read and understand the appropriate UCDMC Patient Care Standards, Policies/Procedures and/or equipment operations manual, I have demonstrated the ability to perform the verified skills as noted

Printed Name	Signature	Date
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