

ebotomy

entials of Performing Philebotomy, Circulatory System, Blood Tests, Tools, Techniques, Equipment, Color Coded Tops & Terminology

CWERVIEW

- · Pfdebotomy is derived from the Greek, phisbo- bulsting to veine), and domy heliating to cuttings
- Philipbotomy (a.k.a. venipuncture) can be summarized as the puncture of a vein for blood collection or removal
- The main purpose of philippotenty is to obtain blood for diagnostic testing.
 It institutes highly dissellated and rigorously tested procedures and equipment to enure the safety and confirm of the patient, to guarantee the integrity of
- the sample collected, and to minimize infectious disease transmission. Philobotomy skills and responsibilities are performed in a variety of healthcare settings, ranging from hospital care units to home-health settings.
- Philebotomy practice is widely performed by all types of healthcare professionals. in-chardings
- Newstern
- Boughtstory therapists
- · Emergency medical techniciana (EMTs)
- Clinical laboratory professionals
- In the hospital and other settings, the person performing the verypuncture procodure is often called a phlebotomist.

Moter See page 6 for a Glossery of Philebotomy Terminology

HOW PHLEBOTOMY IS PERFORMED

Note: Detailed procedural steps are outlined throughout the sections of this guide

Routine Venipuncture Procedure

- · Register periods a Wantiffy:
 - Full running

 - Date of barts
- Full address.
- Chorumonium photos NO condi

to Contrade

- · Become first request Verify completeness of test request and match with labels
 - · Resolve discrepancies before blood collection, contact responsible party for elandiqueopea.
 - Green and approach patient.
- Introduce yourself and explain why you are there
- Assess patient's specific health conditions
- Verify availability of veniponcture supplies and equipment:
 - Sharp's container Oldwers - Tribuna
 - Charles
- Transportation seem
- Needoller adjected
- Indomnity partitions. Use extra care when there is potential for confusion among patients.
- Question patient and verify according to their ID and stality to respond

 Assign a temporary ID for entergencies, if releded
 Assign a preprincipalisation requirements

- Obtain informed consent from patient or guardian
- Assess physiological factors that can affect test results in a control. tolerance tests, and therapy monitoring):
- * Cheven hands
- Perform appropriate hand hygiene immediately before patient contact. · Accessor profession
- Identify and address potential complications.
- Avoid fatex when there is patient hypersensitivity
- Ensure there is nothing in patient's mouth unless medically required
- Position and prepare the parcent so partent is seated or recumbers with their arm extended for both safety and comfort.
- Specimen collection
 Curber supplies
- Devices must NOT be pressembled
- Select site.
 - Apply fourniquet 3-4 inches above the puncture site for no longer than one minute: a tourniquet left on loo long may cause:
 - Hemoconcentration too many blood she

 - Hemolysis identruction of red blood cells!
 Personias (red spots on the skin)
 - Patient may clench and hold their flat if their vains are difficult to
 - identify but must not pump hand The best voice are in the aetecubital fease (raide of elbow); avoid
 - the brachial artery and nerves

 First choice: Mechan aspect formers, mechan and lateral outstal vein
 - Second choice: Lateral aspect jouters: capitalis: vain and accessory
 - Third choice: Medial aspect liment; basilit vein and medial aspect of readian cubital vein
 - Veins on the back of the hand are acceptable
 - Palpage the wein

- Voice are best located by feet
- the sure to palpate with the tourniquet on
- We're will find spongy, bouncy, and firm
 Written physician permission is required for nonpreferred areas and areas on the same side as a mastectomy.
- Apply a single-use or patient-dedicated tourniquet for no longer than more resimuates the appropriate value
- If veripeasation is unsuccessful, semove the tourniquest and do not reapply for at least two minutes after tourniquet removal
- Select and assemble appropriate needles and tubes
 If blood is to be drawn from the hand or wrist, the phiebotomist may want to consider using a winged infusion set (a.k.a. butterfly needle) with a sensitive meedle.
- Avoid using a traditional needle and syrings when possible
- Don gloves and keep them intact.
- Cleanab verripuncture site.
- . Use a clean gause pad with 70% isograppi alcohol and back-and-forth friction unless assessing blood alcohol level or there is a facility specified disinfectant for collecting a blood culture. Allow skin to dry before puncturing it
- Recleanse if the venipuncture site is repalgated.
- · insert moodle and aspirate blood
 - First examine the needle; do not use if there are defects
 - Pre-evacuate tubes if required.
 - Position ann downward when possible
 - Anchor vein from below and brace the arm Inform patient of needle insertion

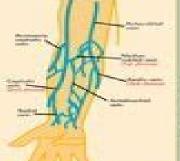
 - Hold the needle with your dominant handl Angle the needle 15-30 dogsess
 - Insert the needle bevel up and advance needle for free blood flow
 - Hold the needle speady in line with the vein and stabilize the device
- Remove the needle if there is excessive pain or withdrawal of consent Allow patient to open hand unions contranclicated, do not allow hand pumping
- The tournequet stays on no longer than one minute - Remove the tourniquet when blood flow has been established, usually
 - when the first tube is being filled
- a fill and mis collection tubes.
- Fill all tubes to full volume ino vectors).
- Remove table and mix recommended number of times with gentle inversion (see Color-Coded Taps for Blood Draw, p. 5, for times)
- Add additional tubes in order of draw, as prescribed
- Remove last tube (and tourniquet if still
- present) before needle withdrawal

Commonly Used Abbreviations

- ALC: 100 alkaline phosphatase
- ALC: Y alarina aminotrarederase
- APTE activated partial thromboplastin time AST
- amportatio arminotransferane
- bifereding time
- SEASON. billioned uses nittenance.
- BAJRICO. bilinubin, unc acid, phosphorus, potassium CRIC
- complete blood count:
- Destri A Photography and
- BUSTA. ethylenediaminetetrazoetic acid
- ELA. encryme internumousness
- **III 548** erythrocyte sedimentation rate
- functions bisoloid sugar-FREE
- phoose tolerance test. COLUMN TWO
- SHOT hermadoloris.
- high-density lipoprotein PHONE.
- **Billingsto** hermoglobes
- STATE OF international incomaligad ratio
- S. Children lactatic dehydrogenase
- N. STATE low-density lipoprotein-
- mean compuscular hemoglobin MACH
- MACHIC mean porpusoular hamoglobin concentration MECHI meian corpuscular volume
- MARKET mean platelet volume **学**国人 prosthrombin time
- POTE ! partial thromboplastic time ARREST. red blood cell/red blood count.
- **BECOME** red blood cell distribution readth. 15/8/25 sodium polyanethol suffonate. SST
 - secure separator tube white blood cell/white blood count Market .

The Philebotomist Knows Conditions like Represel's dis-ease (consected blood vessels) and perhaps and entered receiving the con-party and make couldn't force or personned and analysis of social or period overflown and before length and blood draw and between the period of the condition of the co-certainty to information shared by partners.

Venigoneture Sites of Foresen, Wrist & Hand



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Elliot Spencer

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Phlebotomy Kathryn Almquist, 2009-12-31 Complete labeled illustrations help phlebotomy venipuncture students understand those procedures that enable blood draw testing to be safe and comfortable for patients Different forms of testing equipment and other aspects of phlebotomy are explored in up to date detail Includes easy to read tables and diagrams Complete Phlebotomy Exam Review Pamela Primrose, 2015-03-06 Prepare for phlebotomy certification and Publisher licensure exam success with Complete Phlebotomy Exam Review 2nd Edition This comprehensive review book has 1 500 questions A new pretest provides an assessment of strengths and weaknesses and a mock certification exam at the end of the book tests your knowledge of necessary information Organized into chapters that correlate with the trusted textbook by Warekois and Robinson each chapter includes a content review followed by multiple choice questions each with an answer a rationale and a page number reference to information in the companion textbook An Evolve website offers even more opportunity to practice with all the questions in the book plus 500 extra and the ability to sort by category or test in study or exam modes 100 question mock certification exam at the end of the book allows you to test your comprehension of the material and identify areas of strength and weakness to target study Answers rationales and page number references to the trusted companion test by Warekois and Robinson help you understand why your selected answer was right or wrong and strengthen your knowledge of key exam content areas The Evolve site provides you with myriad opportunities for practice With all the text questions plus an additional 500 you can take tests in exam or study mode and sort questions by category or chapter to tailor practice to your individual needs Organized by chapters each begins with a content review to break the subject of phlebotomy into manageable areas Multiple choice questions with answers and rationales in each chapter test your comprehension of the material NEW 1 500 questions provide you with even more opportunities for testing yourself and reinforcing the content NEW 100 question pretest at the beginning of the book lets you assess where you stand from the start so you can target your study accordingly NEW Photos and line drawings throughout the book illustrate what is being discussed and help you learn more about the equipment you will encounter on the job Phlebotomy Exam Review Ruth E. McCall, 2023-08-15 Phlebotomy Exam Review Eighth Edition provides a comprehensive review of current phlebotomy theory and offers and ideal way to study for phlebotomy licensing or national certification exams It also makes for an excellent study tool for students taking formal phlebotomy training programs By answering the questions in this review student can test their knowledge and application of current phlebotomy theory Theory questions address recent federal safety standards Clinical and Laboratory Standards Institute CLSI guidelines and the National Accrediting Agency for Clinical Laboratory Sciences NAACLS phlebotomist competencies when applicable Questions are standard multiple choice like those used on national exams with choices that often test your critical thinking abilities 2024 380 pages Phlebotomy Exam Review, Enhanced Edition Ruth E. McCall, 2020-06-19 Phlebotomy Exam Review Enhanced Seventh Edition thoroughly

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