

Procedures In Phlebotomy

Phlebotomy

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Phlebotomy is the process of making a puncture in a vein, usually in the arm or hand, with a cannula for the purpose of drawing blood. The procedure itself is known as a venipuncture, which is also used for intravenous therapy. A person who performs a phlebotomy is called a phlebotomist, although most doctors, nurses, and other technicians can also carry out a phlebotomy. In contrast, phlebectomy is the removal of a vein.

Phlebotomies that are carried out in the treatment of some blood disorders are known as therapeutic phlebotomies. The average volume of whole blood drawn in a therapeutic phlebotomy to an adult is 1 unit (450–500 ml) weekly to once every several months, as needed.

Phlebotomy licensure in the United States

(9 August 2013). "Medical-Legal Issues and Health Law Procedures" . Procedures in Phlebotomy. Elsevier Health Sciences. p. 180. ISBN 978-0-323-27709-9

Phlebotomy licensure in the United States is the process by which various regulatory bodies regulate the practice of phlebotomy through licensure. There are no federal phlebotomy training or certification requirements, though several states have imposed their own requirements. In 2024, four states require licensure for phlebotomy: California, Louisiana, Nevada, and Washington.

In 2001, California enacted phlebotomy licensure after an on-the-job trained phlebotomist was found to be re-using needles. Following California, several states including Massachusetts and Missouri attempted to introduce either licensure or training/educational requirements, but the bills died.

Phlebotomy licensure advocates claim that the licensure would enhance the quality of personnel, while the laboratory industry...

Phlebotomy licensure

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Phlebotomy licensure is the process by which various regulatory bodies regulate the practice of phlebotomy within its jurisdiction through licensure. In many countries a license is not required, or is obtained through other broader qualifications (such as a medical license), while in others, professional phlebotomists are separately licensed.

In most countries, there is not a dedicated a profession to phlebotomy, but it falls under the responsibility of other allied health professions such as nursing.

Venipuncture

purpose of venous blood sampling (also called phlebotomy) or intravenous therapy. In healthcare, this procedure is performed by medical laboratory scientists

In medicine, venipuncture or venepuncture is the process of obtaining intravenous access for the purpose of venous blood sampling (also called phlebotomy) or intravenous therapy. In healthcare, this procedure is performed by medical laboratory scientists, medical practitioners, some EMTs, paramedics, phlebotomists, dialysis technicians, and other nursing staff. In veterinary medicine, the procedure is performed by veterinarians and veterinary technicians.

It is essential to follow a standard procedure for the collection of blood specimens to get accurate laboratory results. Any error in collecting the blood or filling the test tubes may lead to erroneous laboratory results.

Venipuncture is one of the most routinely performed invasive procedures and is carried out for any of five reasons:

to...

Plasma frozen within 24 hours

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Plasma frozen within 24 hours after phlebotomy, commonly called FP24, PF-24, or similar names, is a frozen human blood plasma product used in transfusion medicine. It differs from fresh-frozen plasma (FFP) in that it is frozen within 24 hours of blood collection, whereas FFP is frozen within 8 hours. The phrase "FFP" is sometimes used to refer to any frozen blood plasma product intended for transfusion.

PF24 is stored, thawed, and infused with the same procedures used for FFP. Although it is technically a different product, most healthcare providers continue to refer to FFP when the actual component is PF24.

Bloodletting

conditions. In the beginning of the 19th century, studies had begun to show the harmful effects of bloodletting. Today, the term phlebotomy refers to the

Bloodletting (or blood-letting) was the deliberate withdrawal of blood from a patient to prevent or cure illness and disease. Bloodletting, whether by a physician or by leeches, was based on an ancient system of medicine in which blood and other bodily fluids were regarded as "humors" that had to remain in proper balance to maintain health. It was the most common medical practice performed by surgeons from antiquity until the late 19th century, a span of over 2,000 years. In Europe, the practice continued to be relatively common until the end of the 19th century. The practice has now been abandoned by modern-style medicine for all except a few very specific medical conditions. In the beginning of the 19th century, studies had begun to show the harmful effects of bloodletting.

Today, the term...

List of -otomies

is cut to shorten or lengthen it or to change its alignment Phlebotomy – An incision in a vein with a needle Pulpotomy – Removal of a portion of the

The suffix '-otomy' is derived from Greek τόμος (-tómos) 'cutting, sharp, separate'.

On Thorns I Lay

another Dutch band with the same name, they changed their name to Phlebotomy in 1993, in reference to the medical practice of bloodletting, which seemed

On Thorns I Lay is a Greek death-doom and gothic metal band founded in Athens in 1992. The group has gone through different stylistic facets throughout its career, starting with death metal in their early days, then transitioning to a blackened death-doom symphonic style with their first EP, and later embracing atmospheric doom-death in their early albums and later gothic metal with their subsequent albums. On Thorns I Lay is among the bands of the first major gothic doom wave that systematized the principle of contrasting vocals known as the "beauty and the beast" style that became popular in the late 1990s. Towards the end of the first part of their career in the early 2000s, they shifted towards a more stripped-down and introspective rock-metal style.

The band went on hiatus in 2006, for...

Vacutainer

5326535, 5320812, 5257633 and 5246666. Vacutainers are widely used in phlebotomy in developed countries due to safety and ease of use. Vacutainers have

A vacutainer blood collection tube is a sterile glass or plastic test tube with a colored rubber stopper creating a vacuum seal inside of the tube, facilitating the drawing of a predetermined volume of liquid. Vacutainer tubes may contain additives designed to stabilize and preserve the specimen prior to analytical testing. Tubes are available with a safety-engineered stopper, with a variety of labeling options and draw volumes. The color of the top indicates the additives in the vial.

Vacutainer tubes were invented by Joseph Kleiner in 1949. Vacutainer is a registered trademark of Becton Dickinson, which manufactures and sells the tubes today.

Sampling (medicine)

routine diabetic monitoring for glucose. Venous blood sampling, also called phlebotomy. It is generally done by venipuncture (which can also be used for intravenous

In medicine, sampling is gathering of matter from the body to aid in the process of a medical diagnosis and/or evaluation of an indication for treatment, further medical tests or other procedures. In this sense, the sample is the gathered matter, and the sampling tool or sampler is the person or material to collect the sample.

Sampling is a prerequisite for many medical tests, but generally not for medical history, physical examination and radiologic tests.

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