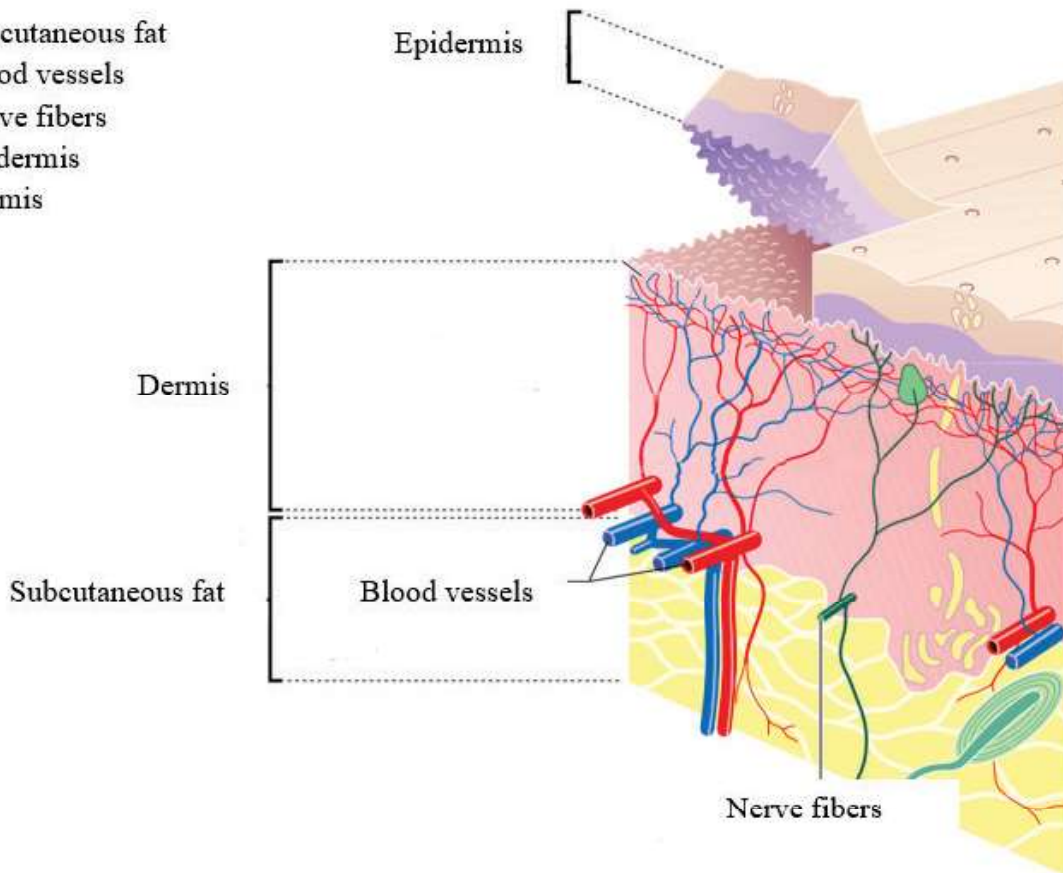


Introduction to Subcutaneous Injections (Focus on Anatomy) Instructor Resource

Subcutaneous is defined as “under the skin” (Merriam-Webster). Below is a diagram of the layers of the skin. Label the diagram with the words listed and answer the questions below.

1. Subcutaneous fat
2. Blood vessels
3. Nerve fibers
4. Epidermis
5. Dermis



1. Can subcutaneous injections bleed? Why?
Yes but minimally. The larger vessels are in the muscle.
2. Do subcutaneous injections hurt? Why?
They can but it depends on the thickness and density of the subcutaneous tissues. People with less subcutaneous fat seem to report more pain.

Modified work.

By Madhero88 (Own work) [CC BY-SA 3.0 (<http://creativecommons.org/licenses/by-sa/3.0/>)], via Wikimedia Commons(https://commons.wikimedia.org/wiki/File%3ASkin_layers.png)

Merriam-Webster (2016). Dictionary. Retrieved from <https://www.merriam-webster.com/>