

1. Females have a lower hemoglobin than males after puberty because women during puberty have their menses so they have oxygenated blood leaving their body therefore their hemoglobin level will be lower because they have less oxygenated blood in their bodies than a man would.
2. In clotting blood to a small clot thrombin transforms fibrinogen to fibrin which helps blood clot because it forms a tight mesh like structure over the wound.
3. A physician would normally order a hematocrit and hemoglobin to evaluate anemia because the hematocrit will tell how much iron is in the blood and the hemoglobin will tell how oxygenated the blood is and if they are both low they are a very good indication of anemia because the blood clotting process will not be able to happen effectively.
4. Patient comfort is important while performing a capillary puncture because people use their fingers all day and the tips of the fingers are very sensitive and bruise easier so you will have a happier patient if you perform the capillary puncture on the side of the finger. This is because it is less sensitive and gets used less.