

Insight into Physiology.

Fact: The rate of blood flow to the finger is 3-to-5 times faster than to the arm.¹

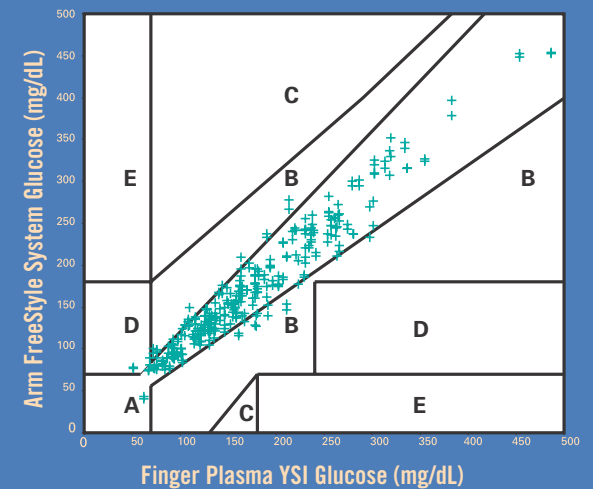
The anastomosing network of arteries is less concentrated, and the dermis is not as vascular as in the fingertip.

Highly concentrated network of anastomosing arteries.

Therefore, when glucose is changing rapidly, there may be a difference in the glucose reading between the arm and the finger.



Clinical study comparing arm to finger samples



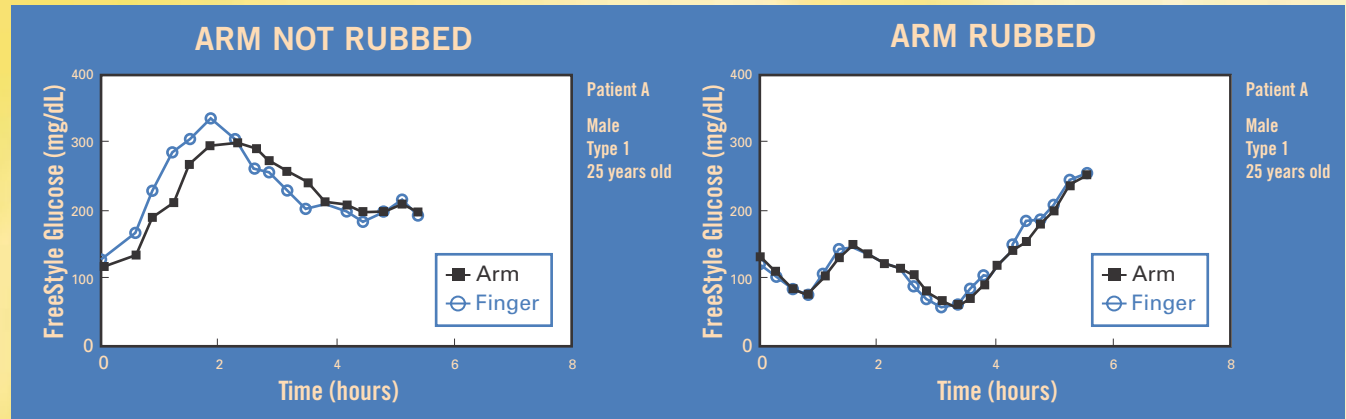
In most cases the difference is clinically insignificant.²

R=.966

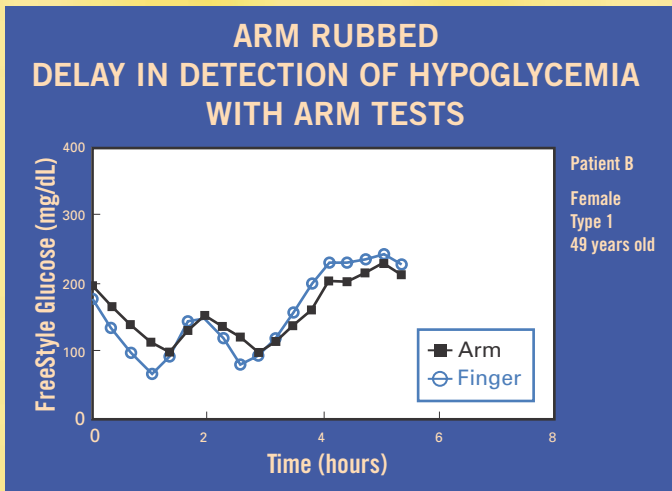
¹ Harvey V. Sparks, *Skin and Muscle*. In: Johnson PC, ed. *Peripheral Circulation*. New York: Wiley, 1978:198.

² N=120 Type 1 and Type 2 unique subjects in random glycemc states. Data on file.

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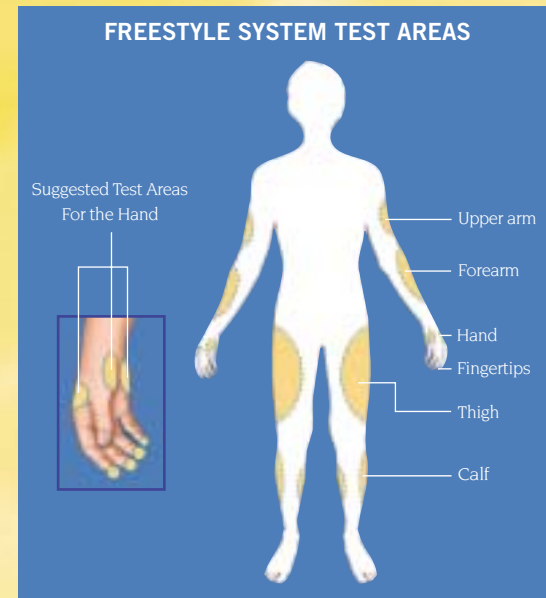


For many patients, vigorously rubbing the arm eliminates the glucose difference between the arm and finger.



In isolated cases, rubbing does not eliminate the difference.

Therefore, when your patients are testing for hypoglycemia or suffer from hypoglycemia unawareness, we recommend that they test on the finger.



FreeStyle is unsurpassed in accuracy and performance on finger and off-finger testing.