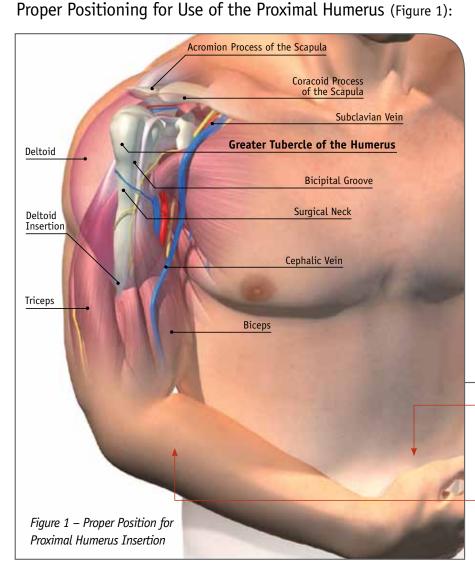


Humerus Site Identification



The proximal humerus – a relatively new option for intraosseous access – provides additional benefits over the more commonly used tibial locations.[†]

The close proximity of the greater tubercle of the humerus to the heart ensures rapid infusion of medications into the central circulation.¹ Moreover, at least one human study suggests infusion is better tolerated by patients when compared to the tibial sites.¹¹

Despite these benefits, the anatomy of the proximal humerus region often discourages its use by clinicians. By becoming familiar with the anatomical structures, clinicians can simplify the site identification process and feel more comfortable accessing the site.

 Place the patient's hand over the umbilicus
Causes medial rotation of elbow and humerus

Adduct the arm Provides greater prominence of insertion site

NOTE FOR SPECIAL PROCEDURES:

For situations in which the patient's hand cannot be placed over the umbilicus, such as during a surgical procedure, the clinician should ensure the humerus is fully rotated internally. This movement rotates most of the anterior structures of the region toward the axilla and shifts the greater tubercle of the humerus to a more anterior position. Adduction of the arm increases prominence of the humeral head in relation to the surface anatomy.

[†] This information is provided for illustrative purposes only and does not purport to be medical advice or treatment. The individual clinician is responsible for determining the proper intraosseous procedures, site(s) and technique(s) used with this device.

REFERENCES

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Humerus Site Identification (Continued)

