

INTRAMUSCULAR (IM)**		Location of Injection	Needle Length	Needle Gauge	Needle Angle
Pediatric	Infants < 18 months	• Vastus lateralis muscle (<0.5 mL vol.)	7/8" - 1"	25 - 27 G	90°
	Children (>18 months and walking to 18 years)	• Deltoid muscle • Ventrogluteal site • Dorsogluteal site—not recommended for <3 years • Vastus lateralis muscle	7/8" - 1 1/4"	22 - 25 G	90°
Adult	> 18 years	• Deltoid muscle, Ventrogluteal site—may be best site for cachectic adults • Dorsogluteal site—invoid in obese adults • Vastus lateralis muscle	1" - 1 1/2" (up to 3" for large adults)	19 - 25 G	90°

\* Adapted from Fundamentals of Nursing: Human Health and Function, R. Craven, C. Hinkle, 4th ed. Lippincott Williams & Wilkins, 2003.

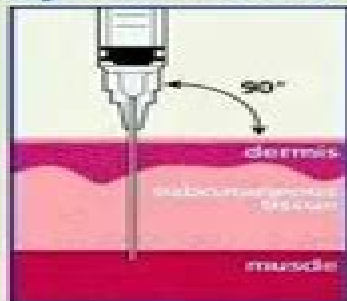
\*\* Prior to administering an IM injection, refer to your procedure manual to determine the injection site using body landmarks.



ISO Hub Color Standards for safety-engineered needles.

## Intramuscular (IM) Injection Guidelines:

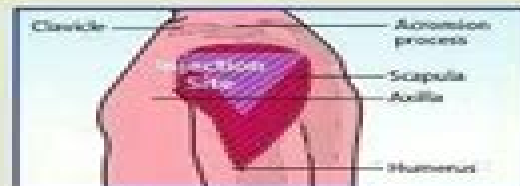
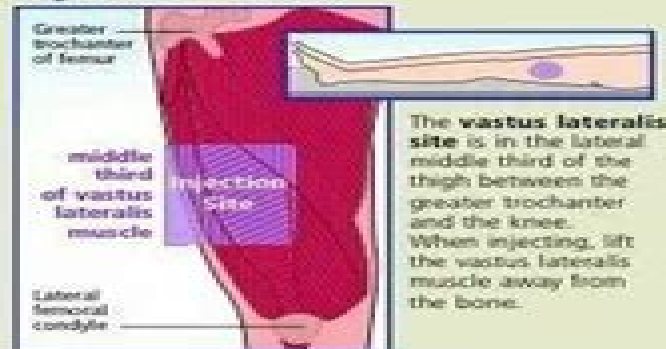
### Injection Route:



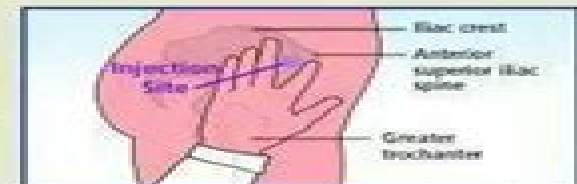
### Injection Procedure:

- Spread the skin taut, (except in vastus lateralis which requires lifting the muscle) and insert the needle at a 90° angle.
- Pull back plunger slightly. If blood appears, remove needle, dispose properly and prepare a new injection.
- If no blood is present inject medication slowly.

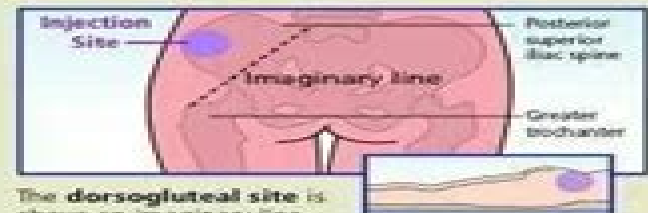
### Injection Sites:



The thickest part of the **deltoid muscle** is 2.5-5cm (1-3 finger breadths) below the lower edge of acromion process of the scapula over the midaxillary line.



The **ventrogluteal site**: place the palm over the greater trochanter, form a "V" with the middle finger toward the iliac crest and the index finger toward the anterior superior iliac spine. Inject within the center of the "V," below the anterior superior iliac crest.



The **dorsogluteal site** is above an imaginary line between the greater trochanter and the posterior superior iliac crest. The injection is administered laterally and superior to this imaginary line.

# Intramuscular Injection Guide For Pediatrics

**D Siedentop**



## **Intramuscular Injection Guide For Pediatrics:**

## Whispering the Techniques of Language: An Mental Journey through **Intramuscular Injection Guide For Pediatrics**

In a digitally-driven earth where screens reign supreme and instant conversation drowns out the subtleties of language, the profound techniques and mental subtleties concealed within words usually go unheard. Yet, set within the pages of **Intramuscular Injection Guide For Pediatrics** a fascinating literary treasure pulsating with raw thoughts, lies an extraordinary quest waiting to be undertaken. Composed by a skilled wordsmith, that enchanting opus encourages readers on an introspective journey, softly unraveling the veiled truths and profound influence resonating within the very cloth of each and every word. Within the psychological depths of this touching evaluation, we shall embark upon a heartfelt exploration of the book is core themes, dissect its captivating writing design, and fail to the powerful resonance it evokes heavy within the recesses of readers hearts.

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