

Parenteral Study Guide

Injectable Routes:	Taught:	Pertinent Injection Information per Best Practice Guidelines:
<p><u>Intramuscular</u> 5/8 - 1½” (* 1-1½”) 18 – 25g</p> <ul style="list-style-type: none"> • Max rec. vol: 3 mL (V-gluteal/V-Lateralis) • Max rec. vol: 1 mL (Deltoid) <p>* most common</p>	<ul style="list-style-type: none"> • 90° degree angle • Z-track by pulling skin 1-1½” to side, insert needle, aspirate, inject med if no blood, withdraw needle & release skin (locks med into muscle) • May apply pressure ONLY 	<ul style="list-style-type: none"> • ALWAYS LANDMARK FIRST • Z-track Deep IM Injections or if med is viscous • Aspirate first - NEVER inject blood • Administer 1mL/10secs • Wait 10 secs to remove needle & release skin • <u>If very thin or obese carefully evaluate needle choice</u> • Deltoid is used <i>primarily</i> for Vaccines/Immunizations
<p><u>Subcutaneous</u> 3/8 - 5/8” 25-27g</p> <p>Max vol: 1.5mL</p> <hr/> <p><u>Insulin:</u> U-100 syringe</p> <p>Max vol: 1mL</p>	<p><u>Insulin:</u></p> <ul style="list-style-type: none"> • injected at a 90° (<u>most common</u>) • Have optional sub-Q sites • <u>Always use “Unit” insulin syringe</u> • <u>Do Not</u> aspirate or massage <u>any</u> sub-Q injections • <u>Do Not Shake Insulin</u> 	<p><u>Heparin</u> (anticoagulant)</p> <ul style="list-style-type: none"> • Deep sub-Q abdomen <u>90°</u> “love-handle region” (at least 4” away from umbilicus) • Can administer 45° if can’t bunch > 2” SQ tissue • Bunch entire injection process <p><u>Lovenox</u> (anticoagulant)</p> <ul style="list-style-type: none"> • <u>Always given deep sub-Q @ 90°</u> to abdominal “love handles” (at least 4” away from umbilicus) • prefilled syringe with airlock bubble (don’t remove) • Bunche entire process
<p><u>Intradermal</u> ½- 5/8 ” * 25-27g</p> <p>Max vol: 0.1mL * most common (may see 3/8-5/8”)</p>	<ul style="list-style-type: none"> • 5° - 15° degree angle • Don’t aspirate or massage • Middle third Forearm 	<ul style="list-style-type: none"> • Bevel up – visualization of a bleb / wheel indicates successful placement

REMEMBER: ALWAYS WITHDRAW THE NEEDLE AT THE SAME ANGLE INSERTED!!

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