# TEACHING/OPTIMIZATION CHECKLIST

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| 1. Insulin Infusion Set Selection | Appropriateness of:  
- Cannula Material  
- Cannula Length  
- Insertion Angle  
- Tubing Length  
- Mode of Insertion  
- Disconnect Mechanism |         |               |
| 2. Site selection               | Palpate and inspect injection sites for lipodystrophy  
- Review site selection  
- Review rotation patterns and schedule |         |               |
| 3. Insertion technique          | Manual insertion  
- Device-Aided insertion  
- Caregiver training |         |               |
| 4. Priming                      | Detecting air in tubing  
- Purging air from tubing  
- Cannula priming:  
  - Steel needle  
  (0.0u) New Insulin Delivery Recommendations – suggest smallest length cannula to avoid IM insertion  
  - 6mm cannula (0.3u)  
  - 8mm cannula (0.4u)  
  - 9mm cannula (0.5u)  
  - 10mm cannula (.6u)  
  - 13mm cannula (0.7u)  
  - 17mm cannula (.7u) |         |               |
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| 5. Disconnection guidelines (if indicated – not necessary with “Patch” pump) | • Duration, frequency limits  
• Hourly insulin replacement via bolus  
• Sterility of site and tubing connector  
• Do not remove insulin cartridge from chamber or separate tubing from cartridge while connected  
• Always disconnect at infusion set hub | | |
| 6. Site change frequency | Optimal: every 48 hours  
As tolerated: up to 72 hours | | |
| 7. Skin Health | • Site preparation  
• Signs of infection, scarring, irritation, sensitivity  
• Skin care after set removal  
• When to contact healthcare team | | |
| 8. Troubleshooting | • Occlusions (silent or alarm activated)  
• Blood in the cannula/tubing  
• Adhesion issues  
• Pain/irritation/infection  
• Leakage of insulin  
• Unexplained hyperglycemia  
• Ketone testing procedure, response to ketones  
• When to contact healthcare team | | |
| 9. Sharps disposal | (Per Local guidelines) | | |
| 10. Reorders | • Who to contact  
• Order frequency  
• Number IIS/mo  
• Number of reservoirs/mo | | |