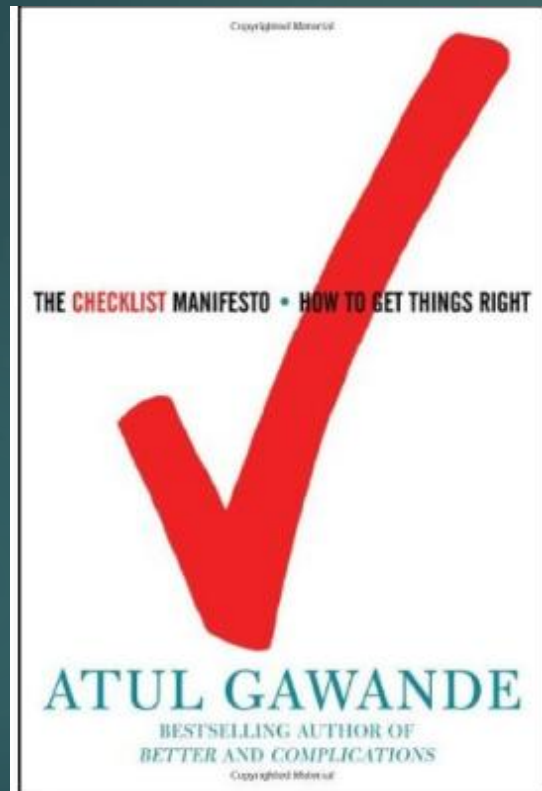




Ideal Intravascular Access Checklists? Quality Measures

The Checklist Manifesto



- Simple Checklist help eliminate mistakes
 - ✓ Identifies and outlines necessary steps
- Timely and Effective Teamwork
 - ✓ Decentralized decision making
 - ✓ Cross-functional teams with effective communication



Quality

Possibly



Unlikely



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An Intervention to Decrease Catheter-Related Bloodstream Infections in the ICU

Peter Pronovost, M.D., Ph.D., Dale Needham, M.D., Ph.D., Sean Berenholtz, M.D., David Sinopoli, M.P.H., M.B.A.,
Haitao Chu, M.D., Ph.D., Sara Cosgrove, M.D., Bryan Sexton, Ph.D., Robert Hyzy, M.D., Robert Welsh, M.D.,
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CVC “Bundle”

- 1 Handwashing
- 2 Full Barrier
- 3 Chlorhexidine
- 4 No Femoral
- 5 Remove Early
- 6 Checklist
- 7 Empowered Auditor
- 8 Outcome Feedback

Pronovost et al NEJM 2006;355:2725-32

BUT...other technology

- ▶ Open systems (manifolds and stopcocks) to closed systems
 - ▶ Needle-free connectors
 - ▶ Positive vs Negative
- ▶ Caps
 - ▶ Disinfectant (alcohol)
- ▶ Securement
 - ▶ Secure-a-Cath
- ▶ Antimicrobial Lock Solutions
 - ▶ Drug vs Antiseptic

Central Line Procedural Checklist

Indication: To document procedural practices in the CCU related to insertion technique for: CVP lines, dialysis access ports, and central lines (including PICC).

Type of catheter:	☐ Central Line	Location: _____
	☐ CVP	Location: _____
	☐ Dialysis Catheter	Location: _____
	☐ PICC Line	Location: _____
Is this a NEW line:	☐ YES	☐ NO
Is the procedure:	☐ Elective	☐ Emergent
	☐ Re-wire	☐ Re-position

Procedural Checklist		
Safety Practice	YES	YES (After Reminder)
Before procedure, did the provider:		
➤ PERFORM PROCEDURAL PAUSE		
Perform patient ID X 2	☐	☐
Announce the procedure to be performed	☐	☐
Mark / assess site	☐	☐
Position patient correctly for procedure	☐	☐
Assemble equipment / verify supplies	☐	☐
Utilize relevant documents (chart / forms)	☐	☐
Order follow-up Radiology images (PRN)	☐	☐
➤ Cleanse hands? (ASK, if unsure)	☐	☐
➤ Prep procedure site with Chloraprep?	☐	☐
*30 seconds for dry site		
**2 minutes for moist site (esp. femoral)		
➤ Use large drape to cover patient in sterile fashion?	☐	☐
During procedure, did the provider:		
➤ Wear sterile gloves during catheter insertion?	☐	☐
➤ Wear hat, mask, and sterile gown?	☐	☐
➤ Maintain sterile field?	☐	☐
➤ Use ultrasound/Sonasite if appropriate?	☐	☐
➤ Did assisting physician follow the same precautions? (hand washing, mask, gloves, gown)	☐	☐
➤ Did all staff and patient in the room wear a mask?	☐	☐
After the procedure:		
➤ Was sterile technique maintained when applying dressing?		
➤ Was dressing dated?		

Ideal – both CVC and Peripheral

- ▶ TRAINED personnel
- ▶ Maximal Sterile Barriers (YES, even for Peripheral Cannulation)
- ▶ Skin Antisepsis (Chlorhexidine-Alcohol)
 - ▶ Medicinal Drug registration (not a biocide)
- ▶ Choice of site
 - ▶ CVC (subclavian, jugular, femoral)
 - ▶ PVC (with extension set)
- ▶ Needle-less free connector
 - ▶ Closed system is the ideal
- ▶ Securement
 - ▶ Many dressing and devices (what is appropriate for your patient)
- ▶ Single-dose, sterile medications
 - ▶ Saline, Antibiotics, etc (from pharmacy, not beside)