**Practice Guidelines for Central Venous Access: Update 2020**

**Supplement 5: Bar Chart of Survey Results**

**Resource Preparation**



**Prevention of Infections Complications**

*Intravenous Antibiotic Prophylaxis*



*Aseptic Preparation*



*Selection of Antiseptic Solution*



*Catheters Containing Antimicrobial Agents*



*Selection of Catheter Insertion Site*



***Catheter Fixation***



***Insertion Site Dressings***



***Catheter Maintenance***

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***Aseptic Techniques Using an Existing Central Venous Catheter for Injection or Aspiration***

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**Prevention of Mechanical Trauma or Injury**

***Catheter Insertion Site Selection***

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***Positioning the Patient for Needle Insertion and Catheter Placement***



***Needle Insertion, Wire Placement, and Catheter Placement***



***Guidance of Needle, Wire, and Catheter Placement***



***Verification of Needle, Wire, and Catheter Placement***



***Management of Arterial Trauma or Injury Arising from Central Venous Catheterization***

