Closure matters: tips & tricks for smooth endings

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The use of vascular closure devices (VCDs) has become an essential component in modern interventional procedures, offering a faster, safer, and more efficient method for achieving hemostasis following catheterization. This study/presentation focuses on the design, mechanism, and application of closure devices, emphasizing their role in improving patient outcomes and workflow efficiency for medical technicians. The device functions by mechanically sealing the arterial puncture site using bioabsorbable materials or suture-based systems, thereby reducing manual compression time, minimizing patient discomfort, and enabling earlier ambulation. Key procedural considerations, including device selection, deployment technique, and post-procedural monitoring, are discussed to enhance clinical proficiency and safety. Understanding the principles of closure device operation allows medical technicians to assist effectively during vascular interventions and to identify and manage potential complications such as bleeding, infection, or device failure. Mastery of these techniques ultimately contributes to optimal patient care and procedural success in cardiovascular and endovascular settings.[1,2]

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LITERATURE

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