ACUSON AcuNav Volume ICE catheter Clinical Compendium

siemens-healthineers.com/volume-ice

Included here are relevant articles that have been published on the ACUSON AcuNav Volume ICE catheter, highlighting the benefits during various structural heart disease procedures.
When lives are at stake, you take command

Now you can see more of what you want, when you want. The next level of visualization puts you in command.

ACUSON AcuNav Volume ICE Catheter
This is command, in your hands

Comprehensive visualization
See full details of the heart in dynamic, 4D motion even while imaging patients in arrhythmias. Comprehensive, instant visualization enables more precise navigation, guidance, and measurement.¹

Clear line of sight
Achieve direct imaging of the tricuspid valve. A clear line of sight reduces shadowing and bypasses anatomical obstructions that can make imaging uncertain.²

Confident operation
Take charge of image guidance. Confident operational control is in your hands with simultaneous tablesde command of the ultrasound system and the catheter, which can be controlled with one hand.

Consistent, reliable data
Get accurate LAAC measurements from a single view.³ Consistent, reliable data give you confidence to confirm PASS criteria.

Conscious sedation
Freedom to use conscious sedation means not compromising safety for optimal outcomes.

¹ Compared with 2D ICE.
² Compared with TEE.
³ Accurate compared to 2D ICE, where you can ensure that you’re measuring in the orthogonal plane with reference plane manipulation compared to 2D ICE and TEE catheter manipulations.
First Reported 4D Volume Intracardiac Echocardiography Guided Left Atrial Appendage Closure in the USA
Roberto J. Perez, OMS II, Anish Amin, MD, Steven J. Yakubov, MD & Carlos E. Sanchez, MD
Structural Heart, 4:1, 72-74
➡ Article link *

4D Volume Intracardiac Echocardiography for Intraprocedural Guidance of Transcatheter Left Atrial Appendage Closure
Houman Khalili, MD, 1 Marquand Patton, DO, 1 Haider Al Taii, MD, 2 Priya Bansal, MD, 2 Matthew Brady, RDCS, 1 Jeanellil Taylor, RDCS, 3 Arati Gurung, PhD, 1 and Brijeshwar Maini, MD 1,2
J Atr Fibrillation. 2019 Dec; 12(4): 2200
➡ Article link *

4D Intracardiac Echocardiography-Guided LA Appendage Closure Under Conscious Sedation: Initial Experience and Procedural Technique
Alok Sharma, Stefan Bertog, Venkat Tholakanahalli, Mackenzie Mbai, and Y.S. Chandrashekhar
➡ Article link *

4-Dimensional Intracardiac Echocardiography in Transcatheter Mitral Valve Repair With the Mitraclip System
Carlos E. Sanchez, Steven J. Yakubov, Gagan Singh, Jason H. Rogers, Nathan H. Kander, and Gilbert H.L. Tang
JACC Cardiovasc Imaging. 2021 Jan 6:S1936-878X(20)31030-5
➡ Article link *

Transcatheter Left Atrial Appendage Closure Using Preprocedural Computed Tomography and Intraprocedural 4-Dimensional Intracardiac Echocardiography
Lauren S. Ranard, MD; Omar K. Khalique, MD; Elena Donald, MD; Vratika Agarwal, MD; Nadira Hamid, MD; Rebecca T. Hahn, MD; Vivian Ng, MD; Matthew Brady, RDCS; Arati Gurung, PhD; Ziad A. Ali, MD, DPhil; Martin B. Leon, MD; Robert Sommer, MD; Torsten P. Vahl, MD
Circ Cardiovasc Interv. 2021;14:e010686. DOI: 10.1161/CIRCINTERVENTIONS.121.010686
➡ Article link *

*Articles may need to be purchased