



ACIST | HDi[®] HD IVUS System

The system of choice for optimized imaging



Why HDi[®]?

Manage complications every step of the way

ACIST brings a new level of diagnostic capability to the interventional cardiology field by redefining intravascular ultrasound with high definition imaging that does a better job visualizing coronary complications that can increase MACE rates. By utilizing See it, Treat it and Prevent it techniques, physicians can identify edge dissection, lipid plaque, and thrombus to decrease their coronary complications.



See it.

HDi[®] brings new imaging modes, LumenView[™] and SilkView[™], designed to detect complex complications helping physicians treat patients. Thrombus and edge dissections may lead to worse outcomes.¹



• LumenView[™] darkens the coronary lumen for better border detection.



 SilkView[™] increases gray scale for finer blood speckle, tissue and plaque differentiation.



ClassicView[™]

• ClassicView[™] optimizes the balance of high resolution and depth of penetration and enables full vessel wall visualization.

Treat it.

HDi enables enhanced imaging by providing sufficient penetration at 60 MHz to see the media layer, even in larger plaque volumes, so the physicians can maximize the stenting cross sectional area and may lead to better patient outcomes.⁴

Prevent it.

HDi[®] has been designed to detect lipid pools and large plaque burdens. The data has shown that placing the stent edges in these types of plaques can result in an increase in complications.⁵



Stent Landing Zones



lipid pools than 40 MHz²



Differentiated design, optimized imaging

- Novel, offset tip design
- VariFlex[™] imaging window
- Lubricious hydrophillic coating







Intuitive interface

Easy-to-use, interactive touchscreen facilitates rapid analysis and efficient workflow





Streamlined system profile

Compact console configuration has small footprint that easily integrates into cath lab

References

- 1. Predictors of subacute stent thrombosis: results of a systemic intravascular ultrasound study. *Circulation.* July 8, 2003;108:43-47.
- Tanaka S, Sakamoto K, Kitahara H, et al. Assessments of lipid plaque and thrombus with a novel high-definition 60-MHz IVUS imaging system: comparison with conventional 40-MHz IVUS and optical coherence tomography. J Am Coll Cardiol. 2013;62(18_S1):B201-B202.
- Tanaka S, Sakamoto K, Yamada R, et al. Plaque assessment with a novel high-definition 60-MHz IVUS imaging system: comparison with conventional 40-MHz IVUS and optical coherence tomography. J Am Coll Cardiol. 2013;61(Suppl 10):A466.

Contact us in the US:

ACIST Medical Systems, Inc. 7905 Fuller Road Eden Prairie, Minnesota 55344 Phone: (952) 995-9300 Fax: (952) 941-4648 USA Toll-free: 1-888-667-6648

Contact us in the EU:

ACIST Europe B.V. Argonstraat 3 6422 PH Heerlen The Netherlands Phone: +31 45 750 7000

- Defining a new standard for IVUS optimized drug eluding stent implantation: the PRAVIO study. Catheter Cardiovasc Interv. August 1, 2009;74(2):348-356.
- Impact of the distance from the stent edge to the residual plaque on edge restenosis following DES implantation. *PLos One*. 2015;10(3):E0121079
 Deter ed. But ed. 001: https://doi.org/10.1011/j.j.
- 6. Data on file at ACIST home office. Product marketing

Contact us in Japan: ACIST Japan Inc. 7F Dainippon-Tosho Otsuka Bunkyo-Ku 112-0012

Phone: +81 369029520

Visit our website: www.acist.com



ACIST I HDI[®] and Kodama[®] are trademarks of ACIST Medical Systems, Inc. ACIST Medical Systems, Inc. reserves the right to modify the specifications and features described herein, or discontinue manufacture of the product described at any time without prior notice or obligation. Please contact your authorized ACIST representative for the most current information. © 2018 ACIST Medical Systems, Inc. All Rights Reserved. P/N:0518.453.04_EU