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Philips kodex mapping system

A 51-year-old Caucasian male with hypertension was admitted to our hospital for ablation of paroxysmal atrial fibrillation refractory to antiarrhythmic drugs. After a single trans-septal puncture, the left atrium (LA) imaging was performed using a decapolar circular mapping catheter (Achieve Advance 25, Medtronic) and KODEX-EPD (EPD Solutions, a Philips company) system. During LA reconstruction, an LCPV (Fig. 1) was rapidly identified. Achieving was placed within lcpv, the cryoballoon (Arctic Front Advance Pro, 28 mm diameter, Medtronic) was inflated, and baseline occlusion software data was collected. Then, cryoballoon was placed, occlusion was controlled by occlusion tool software tools [KODEX-EPD (EPD Solutions, a Philips company)], and PV angiography was performed showing complete occlusion of LCPV (Fig. 2). Cryoenergy was delivered reaching the following parameters: time to isolation was 26 s, and maximum temperature was - 53 °C with a freeze-cycle duration of 180 s. Achieve was placed in each individual branch of LCPV to check the complete electrical insulation. As previously described [5], a single cryoenergy supply was useful for complete isolation of a long and tight LCPV (Fig. 3). Similarly, quite superior PV (RSPV) and right inferior PV (RIPV) were isolated using occlusion tool information tools. Fig. 1 Fig. 2Fig. 3Cryoballoon positioning schedulePage 2Left atrium anatomy in PANO view mode News | Ablation System | May 8, 2020 May 8, 2020 – Results from a first-in-human early feasibility study (EFS) using a saline improved radio frequency (SER The Affera Inc, pulsed field (PF) energy radio frequency ablation system. 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Function | Ablation | 10 May 2019 | Dave Fornell, editor editor Acquiring CyberHeart Cardiac Radio-Ablation Technology May 10, 2019 — Radiation oncology seller Varian announced that it acquired start-up company CyberHeart, which has deve See the KODEX-EPD system in action CodeX-EPD system is a completely new method of cardiac imaging and mapping that has been developed to address important unmet needs in electrophysiology (EP) procedures today. It is an open system that works with any validated EP catheter. KODEX-EPD uses dielectric imaging technology to visualize highly detailed cardiac anatomy in real time and helps doctors identify anatomical variations. As a result, KODEX-EPD has the potential to greatly simplify navigation and support personal ablation planning and delivery, with less reliance on scanning and contrast media. Discover how KODEX-EPD can improve your procedural efficiency and patient care. Do you want to know more or just stay informed? Fill out the form and we will come back to you. Not available for sale within the United States. Available for sale in ce mark countries within the EU. Please contact EPD Solutions for a list of countries. Towards an open platform solution for RF ablation KODEX-EPD RF Ablation System* is an open platform system that allows physicians to choose a wide range of therapeutic catheters**. Based on the market-leading platform from Stockert, KODEX-EPD Ablation System is designed for streamlined operation. It is a fully integrated system with open platform consisting of Generator, Irrigation Pump, Remote Control and Foot Pedal. * KODEX-EPD RF Ablation System manufactured by Stockert GmbH, Boetzingstr. 72, 79111, Freiburg, Germany. ** For a list of compatible devices and catheters, please contact EPD Solutions. Devices and catheters that are not listed as compatible should not be connected to the KODEX-EPD RF Ablation System. For more information about this product, please contact your EPD Solutions representative. Discover what our experts say about their early experiences with KODEX-EPD and dielectric imaging It is a disease that can leave people tired and breathless even after simple daily activities, and puts them at increased risk of stroke. Atrial fibrillation, or AFib for short, is a heart rhythm disorder that affects an estimated 33.5 million people worldwide – a number that is expected to more than double over the next 30 years as populations age and people live longer. But despite impressive advances in medical technology, AFib is still difficult to treat effectively. In AFib, the heart beats 100-175 times a minute, compared to a normal range of 60-100 33.5 million people worldwide suffering from AFib9 People with AFib are nearly 5 times more likely to suffer a stroke than people without AFib10 AFib costs have been estimated at \$6 billion a year in the United States alone11 EPD Data on Fileman Getman MK, et al. J Cardiovasc Electrophysiol. Nov 30(11):2274-2282. Moltrasio M, al. Pacing Clin Electrophysiol. 2019 Jul; 42(7): 890-896. Straube Straube et al. J Cardiovasc Electrophys. 2019 Jun 30(6):919-925. Aryana A, et al. Heartbeat. 2017 Sep;14(9):1319-1325. Chun J, et al. Heartbeat. 2017 Apr; 14(4): 495-500. Romanov A, et al. Heart rhythm. June 2019. [Epub before print]. Maurer T, et al. JACC: Clinical Electrophysiology. August 2019. [Epub before print] Chuang SS, Havmoeller R, Narayanan K, et al. Global Epidemiology of Atrial Fibrillation: a Global Burden of Disease 2010 study. Circulation. 2014;129(8):837–847. stoptheclot.org/about-clots/afib-2 cdc.gov/dhdspl/data_statistics/fact_sheets/af_atrial_fibrillation ** THE CODE EPD system is available for sale in a limited number of countries. Please check with your local representative for availability in your market By clicking on the link, you will leave the official Royal Philips Healthcare (Philips) website. Any links to third-party websites that may appear on this site are provided solely for your convenience and in no way represent any affiliation or acceptance of the information provided on these linked sites. Philips makes no representations or warranties of any kind with respect to any third party's websites or the information contained therein. I understand despite advances in imaging and mapping techniques for electrophysiology (EP), doctors still encounter difficult challenges when performing interventions like cryo and RF ablations. The KODEX-EPD system is a new method of heart imaging that displays real-time HD imaging that provides true anatomy and creates voltage and activation maps. The open platform design was developed to address important unmet needs in electrophysiology interventions. New release combines faster, higher resolution image processing for Medtronic cryoablation procedures KODEX-EPD systems now installed in 40 locations worldwide with over 1,500 patients treated amsterdam, netherlands – Royal Philips (NYSE: PHG, AEX: PHIA), a global leader in medical technology, today announced new imaging and workflow improvements for its novel KODEX-EPD cardiac imaging and mapping system. The system is now used to treat patients with atrial fibrillation (AF), a common heart rhythm disorder, in 40 locations worldwide with over 1,500 patients treated. The latest release includes improvements in image processing and mapping performance, as well as enhanced features to support cryoablation procedures. Unlike traditional methods of imaging the heart during AF procedures such as CT and X-ray scanning, the KODEX-EPD system uses a combination of sensors attached to the body and catheters inside the heart to capture the anatomy and properties of the heart, using innovative dielectric sensing technology. As a result, electrophysiologists can create detailed 3D views of the heart of a patient in as little as three minutes and navigate to the target location more easily and efficiently, with the desired precision and without Radiation. The new edition of the KODEX-EPD system represents a significant step forward in terms of quality and workflow efficiency of AF procedures, as we continue to work towards our long-term goal of providing real-time therapy assessment, says Marlou Janssen, General Manager Philips EPD Solutions. By collaborating with Medtronic and developing unique opportunities for cryoablation, we can give more doctors access to this truly innovative heart images and mapping system, and help deliver effective workflows with Medtronic's cryoablation therapy in the class. Advances in the new release include faster, high-resolution image processing, improvements in mapping functionality and point density, as well as new visualization options such as multi-chamber view to help understand the relative positions of adjacent chamber and glass view, which provides physicians with an improved perception of 3D catheter location and orientation of the heart. For cryoablation procedures, the KODEX-EPD system offers enhanced occlusion assessment functionality with high accuracy and a simplified workflow [1]. Using the KODEX-EPD imaging system's ability to provide high-resolution imaging, revealing specific pulmonary vein morphologies, has allowed me to adapt my ablation strategy in Medtronic cryoballoon procedures, said Marcin Kowalski MD, director of electrophysiology at Staten Island University Hospital, USA. Using the two innovative technologies together has significant benefits for our patients. By combining the short process times for cryoablation with the real-time imaging capabilities of the KODEX-EPD system, we have been able to further improve our efficient lab workflow, says Professor Lukas Dekker, an electrophysiologist at Catharina Hospital in Eindhoven, The Netherlands. In addition, fluorless imaging with the KODEX-EPD system can reduce dependence on fluoroscopy and pre-procedure CTs, thereby helping to reduce X-ray exposure to patients and staff, which is important to us. CODE-EPD heart formation and mapping systems are commercially available in the United States, Europe and China. It is part of Philips' unique portfolio of systems, smart devices, software and services in image-driven therapy, which together provide healthcare providers with sophisticated, procedural solutions. For more information, see www.philips.com/epd. [1] While using KODEX-EPD occlusion functionality, physicians should always refer to the applicable cryoballoon technical manual, published literature, and exercise their discretion to guide confirmation of pulmonary vein occlusion. Royal Philips (NYSE: PHG, AEX: PHIA) is a leading medical technology company focused on improving human health and enabling better outcomes across the entire health continuum from healthy lifestyle and prevention, to diagnosis, treatment and home care. Philips leverages advanced technology and deep clinical and consumer insights to deliver integrated solutions. Headquartered in the Netherlands, the head office is a leader in diagnostic imaging, imaging therapy, patient health informatics, as well as in consumer health and home care. In 2019, Philips relaunched €19.5 billion and employs approximately 81,000 employees with sales and services in more than 100 countries. News about Philips can be found on www.philips.com/newscenter. Read moreRead less

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