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Philips Introduces Enhanced Cardiac Ultrasound

Philips has announced enhancements to the iE33 xMATRIX cardiac ultrasound system designed to provide a more complete imaging solution for adult echocardiograms. In addition to the ergonomic design of the new X5-1 transducer, which aims to improve comfort and efficiency for the clinician, the system has been developed to help advance patient care by enabling expanded cardiac-related diagnostic capabilities related to ischaemic disease detection, structural heart disease assessment, as well as systolic and diastolic heart failure and arrhythmia.

New features of the iE33 xMATRIX ultrasound system include outstanding 2D and 3D image quality utilising a single transducer, near instantaneous acquisition of 3D volumes, new 3D workflow tools and visualised colour Doppler flow pattern during 3D exams. With the X5-1 and iRotate, a clinician can more easily obtain challenging 2D views, such as apical two-chamber. Rather than manually rotating the transducer and searching for a window that isn't obscured by ribs, rotation is achieved electronically to maintain the best acoustical window. When used in stress echo, iRotate allows clinicians to complete an entire stress echo protocol from the standard windows following peak exertion without rotating the X5-1 transducer.

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