

# Vscan Extend™ with Dual Probe

## Indications Reference Guide

### Deep scanning transducer

*Vscan Extend with Dual Probe is indicated for ultrasound imaging, measurement, and analysis of the human body in clinical applications that include...*

CLEARED APPLICATION	ANATOMY	EVALUATION
Abdominal ultrasound (adult & pediatric)	<ul style="list-style-type: none"> <li>• Aorta</li> <li>• Gall bladder</li> <li>• Kidney</li> <li>• Liver</li> <li>• Spleen</li> </ul>	<ul style="list-style-type: none"> <li>• Aortic aneurysm</li> <li>• Gall stone</li> <li>• Kidney stones or fluid</li> <li>• Hepatomegaly</li> <li>• Splenomegaly</li> <li>• Peritoneal fluid</li> </ul>
Urology ultrasound (adult & pediatric)	<ul style="list-style-type: none"> <li>• Urinary bladder</li> <li>• Kidney/ureter</li> </ul>	<ul style="list-style-type: none"> <li>• Bladder dysfunction</li> <li>• Post-renal obstruction</li> <li>• Pre-post bladder volume</li> </ul>
Cardiac ultrasound (adult & pediatric)	<ul style="list-style-type: none"> <li>• Left ventricular function</li> <li>• Myocardium septum wall</li> <li>• Inferior vena cava</li> <li>• Mitral valve function</li> <li>• Aortic valve function</li> <li>• Pericardium</li> </ul>	<ul style="list-style-type: none"> <li>• Left ventricular dysfunction</li> <li>• Left ventricular hypertrophy</li> <li>• Dilatation</li> <li>• Valve open &amp; closure</li> <li>• Pericardial fluid</li> </ul>
Fetal/obstetrics & gynecology	<ul style="list-style-type: none"> <li>• Fetal position</li> <li>• Fetal heart beat</li> <li>• Amniotic Fluid</li> <li>• Placenta</li> <li>• Uterus</li> </ul>	<ul style="list-style-type: none"> <li>• Breech</li> <li>• Visualize heart motion</li> <li>• Fluid levels</li> <li>• Position</li> <li>• Fibroids</li> </ul>
Thoracic/lung ultrasound (adult & pediatric)	<ul style="list-style-type: none"> <li>• A, B, E lines</li> <li>• Lung sliding</li> <li>• Lung point</li> </ul>	<ul style="list-style-type: none"> <li>• Pleural effusion</li> <li>• Acute lung injury including pneumo- or hemothorax</li> <li>• Alveolar interstitial</li> <li>• Lung consolidation                             <ul style="list-style-type: none"> <li>– Pneumonia or pneumonitis</li> <li>– Pulmonary fibrosis</li> </ul> </li> <li>• Acute respiratory distress syndrome</li> </ul>
Cephalic	<ul style="list-style-type: none"> <li>• Cerebral vessels</li> </ul>	<ul style="list-style-type: none"> <li>• Flow</li> </ul>
Procedure guidance	<ul style="list-style-type: none"> <li>• Heart</li> <li>• Lung</li> <li>• Abdomen</li> <li>• Uterus</li> <li>• Thorax</li> </ul>	<ul style="list-style-type: none"> <li>• Fluid detection including: pericardial, pleural, peritoneal, amniotic</li> <li>• Procedures: thoracentesis, pericardiocentesis, paracentesis, and amniocentesis</li> </ul>



## Shallow scanning transducer

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CLEARED APPLICATION	ANATOMY	EVALUATION
Peripheral vascular	<ul style="list-style-type: none"> <li>• Veins including the following examples: femoral/saphenous/popliteal/basilic, brachiocephalic/jugular</li> <li>• Arteries including the following examples: carotid/subclavian/femoral/popliteal/brachial/radial, vertebral</li> </ul>	<ul style="list-style-type: none"> <li>• Deep vein thrombosis</li> <li>• Atherosclerosis</li> <li>• Subclavian steal syndrome</li> </ul>
Thoracic/lung ultrasound	<ul style="list-style-type: none"> <li>• A, B, E lines</li> <li>• Lung sliding</li> <li>• Lung point</li> </ul>	<ul style="list-style-type: none"> <li>• Pleural effusion</li> <li>• Acute lung injury including pneumo- or hemothorax</li> <li>• Alveolar interstitial</li> <li>• Lung consolidation                             <ul style="list-style-type: none"> <li>– Pneumonia or pneumonitis</li> <li>– Pulmonary fibrosis</li> </ul> </li> <li>• Acute respiratory distress syndrome</li> </ul>
Small organs	<ul style="list-style-type: none"> <li>• Thyroid</li> </ul>	<ul style="list-style-type: none"> <li>• Cyst/mass</li> <li>• Fluid</li> </ul>
Musculoskeletal (conventional)	<ul style="list-style-type: none"> <li>• Hip/knee joints</li> <li>• Femur</li> <li>• Humerus/elbow</li> <li>• Tibia/fibula</li> <li>• Radius/ulna</li> </ul>	<ul style="list-style-type: none"> <li>• Fluid</li> <li>• Cyst/mass</li> <li>• Long bone fracture</li> </ul>
Procedure guidance	<ul style="list-style-type: none"> <li>• Jugular</li> <li>• Subclavian</li> <li>• Brachial/basilic</li> <li>• Femoral</li> </ul>	<ul style="list-style-type: none"> <li>• Procedures: thoracentesis, central line, peripheral lines</li> <li>• Support insertion and monitor position of chest tubes/catheters</li> <li>• Fluid detection</li> </ul>
Ophthalmic*	<ul style="list-style-type: none"> <li>• Optic nerve sheath</li> <li>• Retina</li> </ul>	<ul style="list-style-type: none"> <li>• Vitreous hemorrhage</li> <li>• Retinal detachment</li> </ul>

\* Ophthalmic not available in USA, China, and Japan

### Imagination at work

[www.gehealthcare.com](http://www.gehealthcare.com). Product may not be available in all countries and regions. Contact a GE Healthcare Representative for more information.

Data subject to change.

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