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GE Augment Ultrasound Needle Capability

The upgraded electromagnetic sensor tipped needle, designed to improve guidance accuracy, will be included in GE Healthcare's LOGIQ E9 platform. The new volume navigation capability of the sensor tipped needle, added to the image quality of the LOGIQ E9, will increase the accuracy of many procedures while overcoming many of the traditional challenges of existing ultrasound needle guidance, such as needle visualisation and deflection, determining entry points and the avoidance of critical anatomy.

Before the skin is penetrated, the LOGIQ E9's technology projects the path to the target, helping to plan the optimal angle and the point of entry. During the procedure the system displays the needle's position in real-time graphics that are overlaid on the image that appears on the scan plane. The trajectory can then be monitored as it progresses toward the target.

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