AI WOMEN’S HEALTH ULTRASOUND

MEDICAL FIELD, OR MEDICAL METHOD
Obstetric ultrasound

TYPE
☑ Decision support  □ Autonomous decision making

CATEGORY
□ Prevention  ☑ Detection  □ Diagnosis  □ Treatment  □ Other

DESCRIPTION
Following international guidelines published by ISUOG, SonoCNS identifies four standardised planes within a given volume of the foetal head. Following the display of these four planes, SonoCNS will perform five automated measurements (Biparietal Diameter, Head Circumference, Cerebellum, Cisterna Magna, Ventricle), which are used to document the anatomy of the foetal brain.

AIM / PURPOSE
Improve the workflow for the visualisation of clinically-relevant standard planes of the foetal brain, as well as for taking measurements

OUTPUT / RESULTS
SonoCNS permits an 81% reduction in keystrokes compared with the equivalent manual workflow.

AI METHODOLOGY

INPUT / SIZE OF THE DATA
More than 11,000 images for classification and more than 5,700 images total for segmentation.

REFERENCE DOCUMENTS / LINKS / PUBLICATIONS
http://newsroom.gehealthcare.com/ai-helps-doctors-critical-measurement-during-pregnancy

SOURCE
GE Healthcare