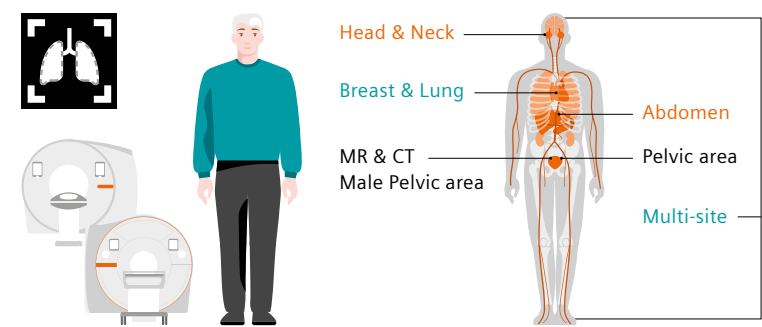


AI Contouring for Eclipse



What are the features of AI Contouring?

AI Contouring is a feature of Eclipse that provides automatic contouring of over 200 pre-defined structures, including organs of interest, lymph nodes, and brain metastases. The contouring tool is launched with an ESAPI script directly within Eclipse. Eclipse structure templates can be imported and then customized to include automatic, manual, or dependent structures. The calculations are performed locally, on the Eclipse workstation or framework agent server. The structures can be reviewed and adjusted as needed using Eclipse's comprehensive suite of contouring tools.



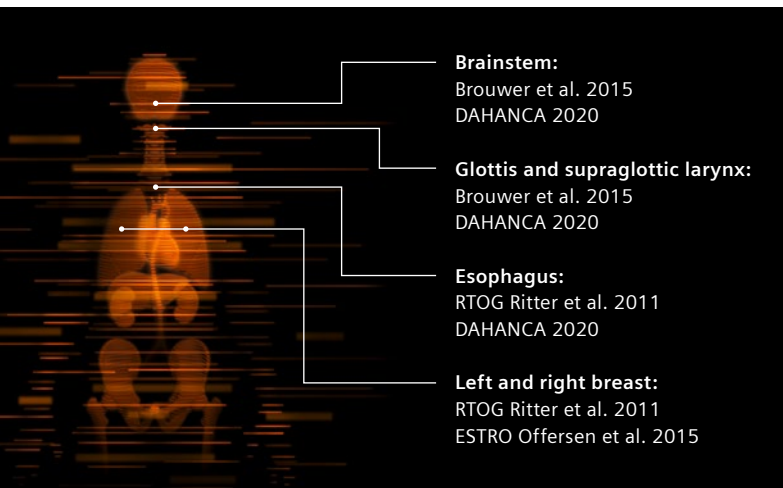
> 95%¹
Clinically usable or minor edits



Automate your workflow for enhanced AI-driven outcomes: Save time contouring, and use the correct guidelines as a standard

15+ institutions published results obtained with Siemens Healthineers autocontouring solutions in the last 3 years. All the publications report satisfactory qualitative and quantitative results and a significant reduction in contouring time. One of the studies showed that close to 77% of organ contours required no modification, and 95% of the organs contoured were classified as either clinically usable or requiring minor edits¹.

Following the correct predefined guidelines can be key to a streamlined workflow, allowing you to leverage efficiency gains. That's why we include guideline variations so you can choose your preferred guideline.



Automate the creation of over 200 structures from CT and MR images

AI Contouring VA10

Head & Neck – CT

- Brachial plexus (L/R)
- Brain
- Brainstem
- Cochlea (L/R)
- Eye globe (L/R)
- Glottis
- Lacrimal Gland (L/R)
- Larynx (L/R)
- Lens (L/R)
- Level I-X Nodes
- Lips
- Mandible
- Optic chiasm
- Optic nerve (L/R)
- Oral cavity
- Parotid gland (L/R)
- Pharyngeal constrictor muscle (inf/mid/sup)
- Pituitary gland
- Submandibular gland (L/R)
- Supraglottic larynx
- Thyroid

Abdomen – CT

- Abdominopelvic cavity
- Bowel (small/large)
- Bowel Bag
- Duodenum
- Kidneys (L/R)
- Liver
- Pancreas
- Spleen
- Stomach

Thorax – CT

- Aorta
- Atrium (L/R)
- Axillary Level I–III Nodes
- Chest wall (L/R)
- Esophagus
- Female breasts (L/R)
- Humeral head (L/R)
- Individual ribs (24 ribs)
- Internal Mammary (L/R)
- LAD
- Left Circumflex
- Lung (L/R)
- Lung lobes (RI, RM, RS, LI, LS)
- Proximal bronchial tree
- Pulmonary artery
- Right Coronary Artery
- Station 1-10 Nodes
- Sternum
- Supraclavicular (L/R)
- Trachea
- V. Cava (inf/sup)
- Ventricle (L/R)
- Ventricle Left Endocardium
- Whole heart

Pelvic area – MR

- Anal canal
- Bladder
- Body
- Femur left and right
- Penile bulb
- Prostate
- Rectum
- Seminal vesicles

Pelvic area – CT

- Bladder
- Body
- Femoral head (L/R)
- Hip Bone (L/R)
- LN Common Iliac (L/R)
- LN External Iliac (L/R)
- LN Internal Iliac (L/R)
- LN Obturator (L/R)
- LN Presacral
- Pelvic bone
- Penile bulb
- Prostate
- Proximal femur (L/R)
- Rectum
- Sacrum
- Seminal vesicles
- Sigmoid
- Uterus

Multi-site – CT

- Body contours
- Skeleton
- Spinal canal
- Spinal cord

Head & Neck – MR

- Brain metastasis
- Brainstem
- Cochlea (L/R)
- Cornea (L/R)
- Eye globe (L/R)
- Hippocampus (L/R)
- Lacrimal glands (L/R)
- Lens (L/R)
- Optic Chiasm
- Optic nerves (L/R)
- Pituitary Gland
- Retina (L/R)
- Spinal cord

The statements by Siemens Healthineers' customers described herein are based on results that were achieved in the customer's unique setting. Since there is no "typical" hospital and many variables exist (e.g., hospital size, case mix, level of IT adoption) there can be no guarantee that other customers will achieve the same results.

AI Contouring is not commercially available in all countries, and its future availability cannot be ensured.

¹ Datasets: head & neck (6), thorax (25), abdomen (2), male pelvis (17) and female pelvis (5).

Siemens Healthineers Headquarters

Siemens Healthineers AG
Siemensstr. 3
91301 Forchheim, Germany
Phone: +49 9191 18-0
siemens-healthineers.com