

ENHANCING ORTHOPEDIC DIAGNOSTICS: ANNOTATION OF PELVIC CT SCANS

■ CLIENT'S PROFILE

Country: Western Europe

Size: 100+ employees

Industry focus: Software development of AI/ML algorithms in HealthTech.

■ PROJECT GOAL

Development of software that automatically detects bones in CT scans to use them afterwards in orthopedic surgery.

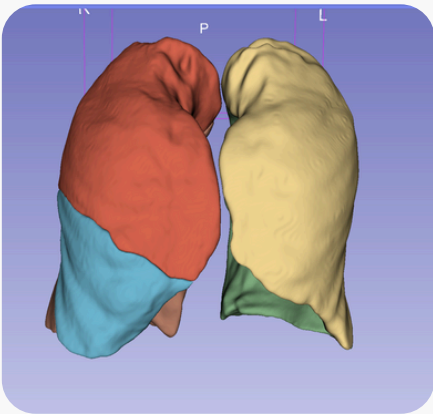
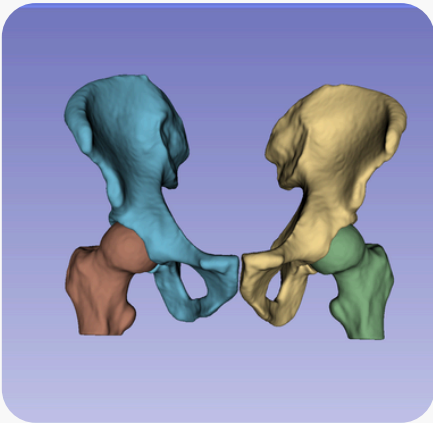
■ PROJECT DESCRIPTION

medDARE provided data annotation of 500 pelvic CT scans. The task was to annotate femur and pelvic bones in the images. All bones were segmented in their entirety, without holes inside, and with great attention to the edges so that they are straight.

Data was stored on the medDARE and client's servers in the EU. medDARE team has contoured the data using 3D Slicer 5.4.0. Radiologists were trained by the client's team to use the software via the training material with the workflow of using the annotation tool.

After completing the work on the case, the annotation files were exported and uploaded to the client's server.

PROJECT WORKFLOW & TEAM ASSIGNED



PROJECT'S OUTCOME

THE WORKFLOW AND QUALITY ASSURANCE PROCESS AT MEDDARE LOOKED LIKE THE FOLLOWING:

The workflow and quality assurance process at medDARE involved several key roles:

Data Annotation was conducted by two radiologists, each with over 7 years of medical experience and more than 3 years of data annotation experience with medDARE. Correctness of the annotations were done by the **Quality Manager (QM)** who ensured that all development tasks met quality criteria. The QM also tested employee knowledge to assess quality levels, provided training sessions for them, and monitored the quality performance of each team member.

The team was also supported by an **Operations Manager (OM)** who was responsible for understanding customer needs and requirements in order to develop and maintain an effective quality control process. The OM also coordinated activities to meet required quality standards, set deadlines, managed tasks, controlled the quality of all current projects, and communicated with clients to ensure both parties shared the same understanding of the quality standards and project workflow.

Thanks to the services provided by medDARE, the client was able to keep the costs of the project under control and achieve significant savings on overhead costs. medDARE helped the client keep the project on schedule by hiring and training the needed number of radiologists quickly and providing high-quality data annotation services.



CONTACT US TO LEARN MORE ABOUT MEDDARE & HOW IT CAN TRANSFORM YOUR AI PROJECT

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