STARVIEWER is a user-friendly diagnosis application. Thanks to its versatility, it is able to combine, in the same environment, the day to day diagnosis interface with a more specific research application. The platform is the result of combining research knowledge of Graphics and Imaging laboratory technicians, from the University of Girona, with the experience of the radiologists from Institut de Diagnòstic per la Imatge, a prestigious imaging institute located in the main catalan public hospitals.

STARCOLON integrates in the same environment basic and advanced image analysis techniques to assist radiologists in diagnosis. The modular design of the platform supports the integration of new functionalities designed to diagnose any kind of pathology.

STARCOLON is the module for diagnosis and follow-up of colon and rectal tumors from MR images. It provides tools for the automated 3D volumetric analysis of lesions.

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STARCOLON is a software tool for volumetric analysis of colon and rectal tumors from MR images. The tool integrates a segmentation, manipulation and visualization strategies specifically designed for this purpose.

**Step 1** Define a region of interest in one of the MR images.

**Step 2** Put a seed in the pathological region.

**Step 3** Apply the segmentation process.

The developed segmentation technique is applied and all the voxels contained in the pathological area are identified. The obtained results are shown to the user who can examine the volume slice-by-slice in the desired orientation.

The user validates the obtained results. The volume of the lesion is also computed and it can be consulted slice-by-slice.

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