



IMAGE ARTICLE

Significance of 3D Imaging in Oncologic Assessment

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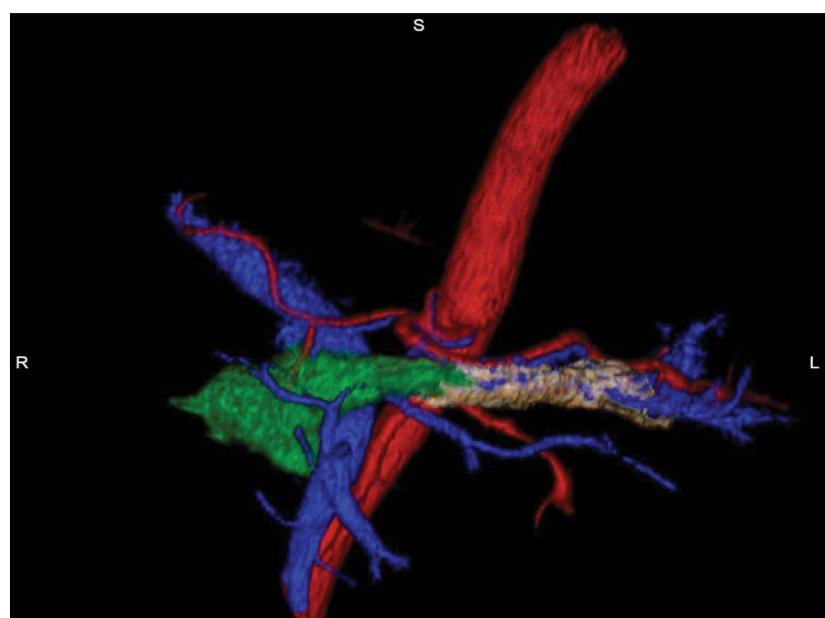


Figure 1: 3D imaging in Oncologic assessment.

3D Advanced imaging including Artificial Intelligence is becoming very important tool in diagnosing cancer and playing vital role in surgical and oncological assessment. This technology is advancing further to play major role in the early detection of the cancer. In this picture author is showing pancreatic cancer and its relationship with the vessels which elaborate the tumor growth and severity on each pixel basis.

Pancreas on image shows tumor on the right hand side in green (Figure 1). Showing to go into the blood vessels. This would be in the later stages of the cancer where the patient will likely to have low chance of sur-

vival if surgery and therapeutic treatments were not taken into consideration. Therapeutically, this will increase the chance of survival. To diagnose the patients' pancreas, multiphase CT scanning is required to be able to penetrate through to the skin and tissue towards the pancreas since it is so well placed within the other organs. Additionally 3D imaging also playing vital role for additional info for the purpose of Diagnostic, Surgical and Therapeutic purpose. It is going to be the Future of Radiology which can be helpful for the early detection of pancreatic cancer.