

DR. YUGAL KUMAR GOYAL

Consultant - Radiology & Imaging

Qualification

MBBS | MD (Radio Diagnosis)

Overview

Dr. Yugal Kumar Goyal, Consultant in Radiology & Imaging at Manipal Hospitals, Siliguri, brings an exceptional blend of clinical expertise and advanced diagnostic acumen to the field of medical imaging. With an MBBS degree earned in 2015 and an MD in Radio Diagnosis completed in 2020, Dr. Goyal has developed a foundation in diagnostic and interventional radiology. His core competencies span a wide array of imaging modalities and minimally invasive procedures, making him one of the leading radiologists in the region. In diagnostic imaging, he is proficient in high-resolution CT, CT Perfusion, and CT Angiography, and is an expert in advanced MRI techniques, including MR Angiography, MR Perfusion, and MR Spectroscopy. His skill set extends to ultrasound diagnostics, including Contrast-Enhanced Ultrasound and elastography, as well as conventional radiography and image-guided procedures. Dr. Goyal also specialises in CT and MRI protocoling, ensuring optimised and patient-specific imaging strategies for precise diagnosis. In the realm of interventional radiology, he is highly skilled in performing USG and CT-guided interventions involving the spine, head, neck, and abdominal regions. He regularly conducts biopsies and

Fine Needle Aspiration Cytology (FNAC), and is experienced in a range of percutaneous drainage procedures such as Percutaneous Nephrostomy (PCN), Percutaneous Transhepatic Biliary Drainage (PTBD), and PTBD stenting. Dr. Goyal is proficient in tumour ablative procedures, including Radiofrequency Ablation (RFA) and Microwave Ablation, and has also assisted in high-end procedures involving the hepato-biliary system, peripheral and visceral endovascular systems, and neuro-endovascular domains. His proficiency extends to emergency radiology, where he is trained in handling critical situations with expertise in Cardio-Pulmonary-Cerebral Resuscitation (BLS), endotracheal intubation, and the emergency management of radiological complications such as anaphylaxis and shock.

Fellowship & Membership

- Indian Radiological & Imaging Association (I.R.I.A.).

Field of Expertise

- Diagnostic Imaging: o Proficient in CT, CT Perfusion, CT Angiography o Expert in MRI, MRA, MR perfusion & MR Spectroscopy o Skilled in Ultrasound (including Contrast-Enhanced USG & elastography) o Experienced in conventional radiography and related procedures o Adept at CT & MRI protocoling.
- Interventional Radiology: o USG & CT guided interventions of spine, head, neck & body o Skilled in performing biopsies and Fine Needle Aspiration Cytology (FNAC) o Experienced in percutaneous drainage procedures, including PCN & PTBD, PTBD stenting o Proficient in tumour ablative procedures using RFA & Microwave ablation o Assisted in major hepato-biliary, peripheral endovascular, visceral endovascular, and neuro-

endovascular procedures.

- Emergency Radiology: o Capable of performing Cardio-Pulmonary-Cerebral Resuscitation (BLS) o Skilled in endotracheal intubation o Experienced in managing radiological emergencies such as anaphylaxis and shock.

Languages Spoken

- English
- Hindi
- Bengali

Talks & Publications

- Title: "Impact of T2* MR Cartography in Knee Joint Osteoarthritis"
- Journal: International Journal of Science and Research (IJSR), 2024.
- Summary: Assessed T2* MR imaging's efficacy in diagnosing and grading knee
- osteoarthritis, highlighting its non-invasive approach to evaluating cartilage integrity.