

SUSHANT UNIVERSITY

Online Guest Lecture

Department name:	Department of Medical Radiology & Imaging Technology
Name of event:	Online Guest Lecture
Date of event:	7 November 2023
Event co-ordinator:	Ms Sabreena Afzal (Assistant Professor, dept. of MRIT) and Mr Basit Yousuf Pala (Assistant Professor, dept. Of MriT)

EVENT REPORT:

School of Health Sciences, SHS (Department of Medical Radiology and imaging Technology) of Sushant University organized an Guest lecture on 27.10.2023 between 11:00 am to 01:00 pm. The guest lecture was conducted on the topic **“Exploring computed tomography (CT) instruments, cutting edge advancements and diverse applications”** The aim was to raise awareness about the new Technology used in CT and some reconstructive methods to enhance image quality

EVENTS PICTURES

Sushant
University

School of Health Sciences
Department of MRIT



Guest LECTURE

**Exploring Computed
Tomography (CT):
INSTRUMENTS,
CUTTING-EDGE
ADVANCEMENTS, AND
DIVERSE
APPLICATIONS**



SPEAKER

Arif Hussain Malla

Assistant professor (Radio imaging dept.)
Max healthcare education Highest qualification:
Msc in medical imaging and technology

07th November , 2023

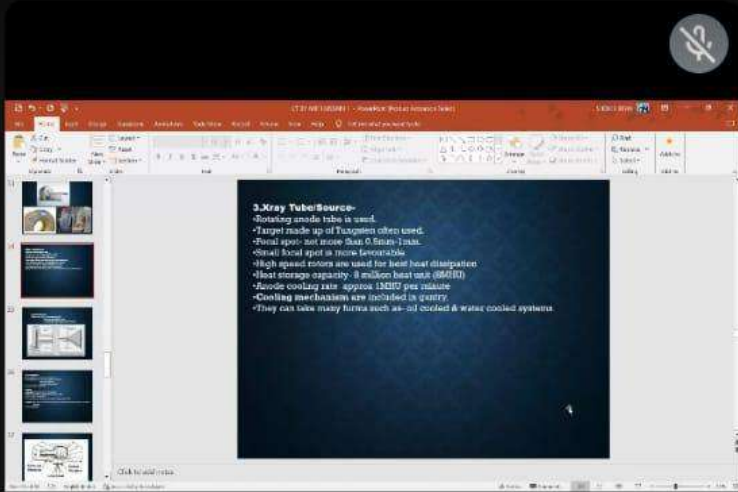
Google Meet Link:

<https://meet.google.com/qea-fzcy-bvx>

11:40 AM 35.7KB/s



← qea-fzcy-bvx ▶ 🔊 ↺



ARIF is presenting



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ABDU11 others





3.Xray Tube/Source-

- Rotating anode tube is used.
- Target made up of Tungsten often used.
- Focal spot- not more than 0.5mm-1mm.
- Small focal spot is more favourable.
- High speed rotors are used for best heat dissipation
- Heat storage capacity- 8 million heat unit (8MHU)
- Anode cooling rate approx 1MHU per minute
- Cooling mechanism are included in gantry.
- They can take many forms such as- oil cooled & water cooled systems.

ARIF

ARIF is presenting



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