



2025

**KARNATAKA RADIOLOGY EDUCATION PROGRAM**

Mentor: Dr Jeevika M U HOD,

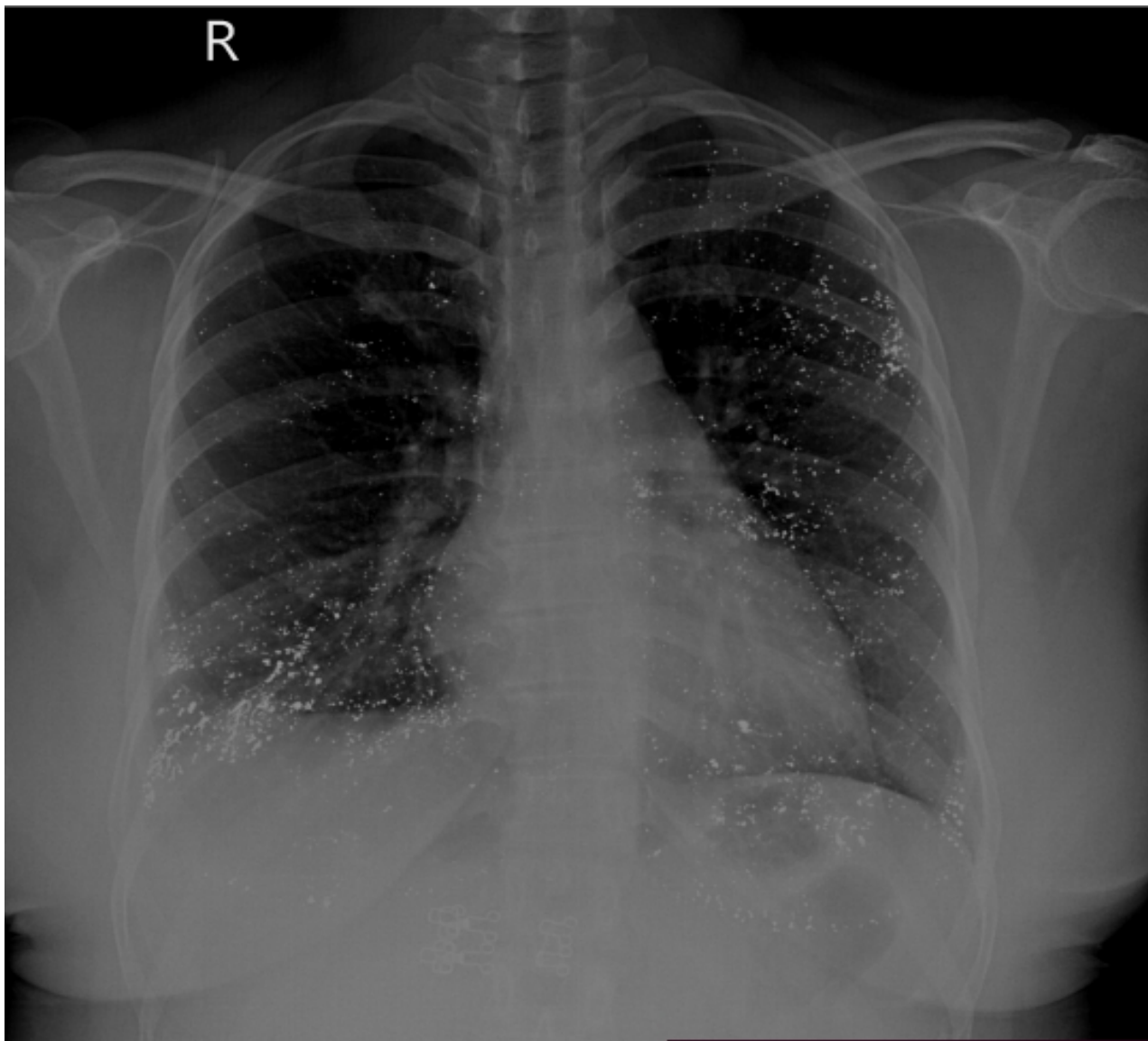
Professor, Dr Sowmya J,

Assistant Professor, Dr Rahul S, Assistant professor

Department of Radiodiagnosis JJM Medical College, Davangere

Presenter: Dr Vikhyath , PG Resident

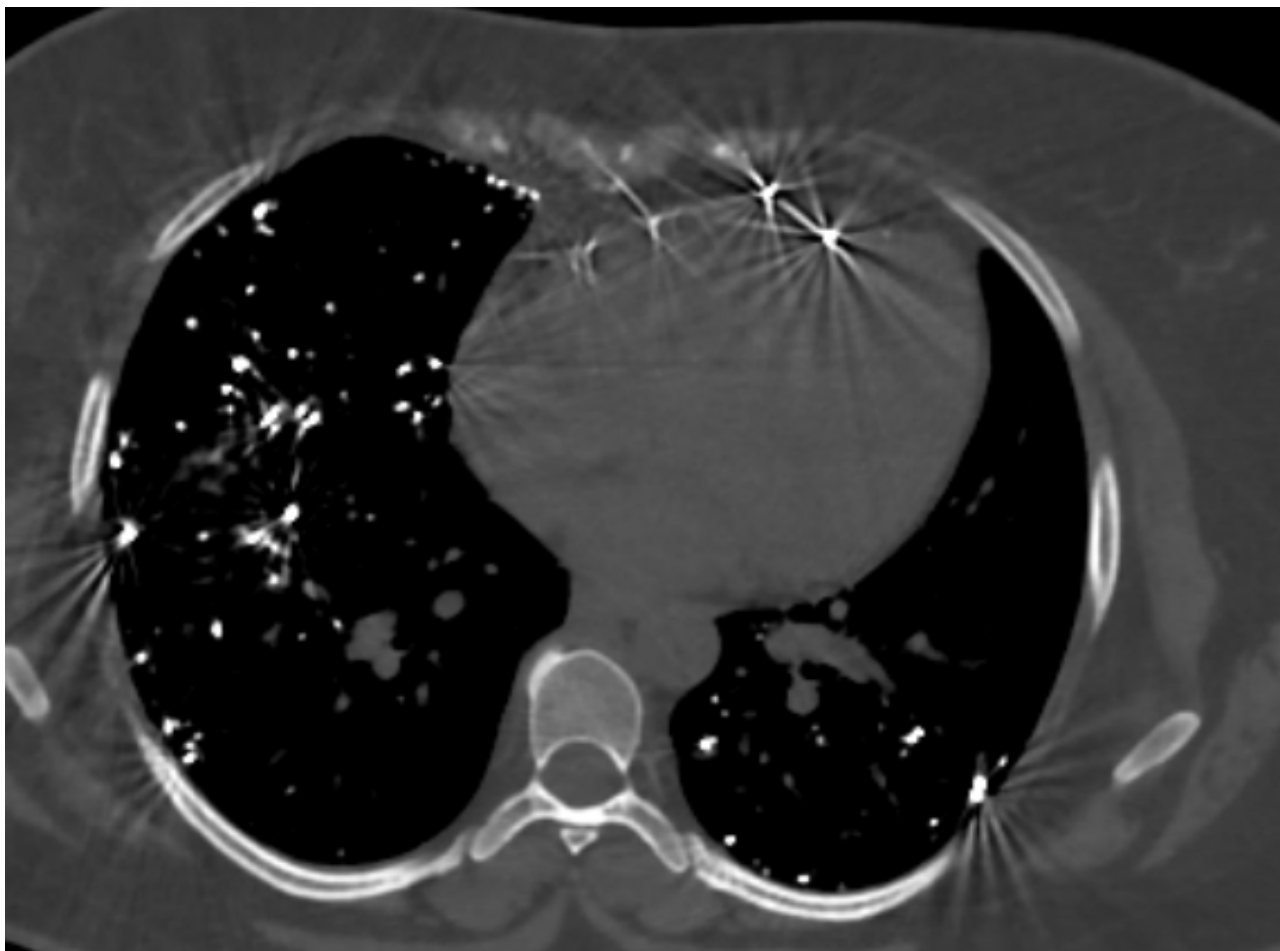
- History:
- 32 year female, nurse by profession with complaints of dry cough since 1 month
- Past history: Nulligravida underwent HSG 5 years back and on treatment for PCOS
- On examination: Patient is conscious oriented, GCS -15/15 Vitals stable Spo2-99% on room air



Posteroanterior chest radiograph demonstrating numerous small radiodense opacities scattered bilaterally predominantly lower zone predominance



Multiple (more than 100) linear and spherical hyperdensities of metallic HU (HU: 2000+) noted diffusely scattered throughout the lungs, predominantly in bilateral lower lobes metallic spherules (20-30) noted in right ventricular myocardium. Similar

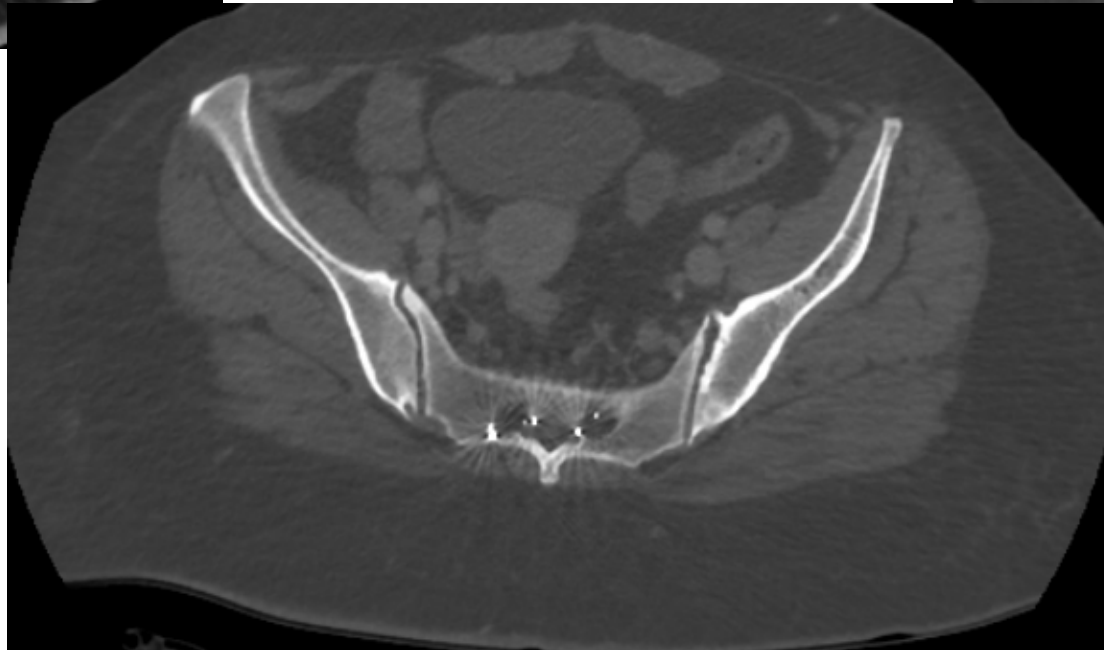


Similar metallic spherules (20-30) noted in right ventricular myocardium, interventricular septum, bilateral kidneys, in the walls of small bowel loops.





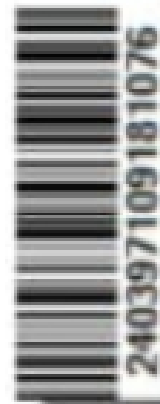
Similar metallic spherules (20-30) noted in the Segment III in left lobe of liver, ascending colon, spinal canal of sacrum and S1 vertebral body.



# Findings

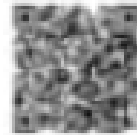
- Multiple (more than 100) linear and spherical hyperdensities of metallic HU (HU: 2000+) noted diffusely scattered throughout the lungs, predominantly in bilateral lower lobes
- Similar metallic spherules (20-30) noted in right ventricular myocardium, interventricular septum, Segment III in left lobe of liver, bilateral kidneys, in the walls of small bowel loops and ascending colon, in the spinal canal of sacrum and S1 vertebral body.
- → ***Features suggestive of metallic (Mercury) pulmonary embolism***

## Medical Laboratory Report



Mrs. [REDACTED]

PID NO: P64524537 [REDACTED]  
Age: 37 Year(s) Sex: Female



Reference: SELF

Sample Collected At:  
Sree Thirumala Diagnostic  
Sree Thirumala Hospital Opposite  
Maddikera Bheemashah School Sontha  
linganna Colony Gandhinagar  
Processing Location:- Metropolis  
Healthcare Ltd, Unit No-409-416, 4th  
Floor, Commercial Building-1, Kohinoor  
Mill, Mumbai-70

VID: 240397109181076

Registered On:  
20/12/2024 10:38 AM

Collected On:  
19/12/2024 7:32 PM

Reported On:  
24/12/2024 02:07 PM

### Investigation

 Mercury, Urine

### Observed Value

Above 100

### Unit

µg/L

### Biological Reference Interval

0.14-4.2

Medical Remarks: Sample is Rechecked to rule out analytical variability. Results require clinical correlation.

Reference: Rodushkin I. et al., Pure & Applied Chem., 2001, 5, pp 51-66.

-- End of Report --