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## ARCHIVIO DELLA RICERCA

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Un caso clinico - Le lesioni ground-glass del polmone: inquadramento clinico e gestione

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(Article begins on next page)

# Ground-Glass Pulmonary Lesions

## *Clinical Overview and Management*



## CASE STUDY

Luca Ampollini, MD, PhD

Thoracic Surgery

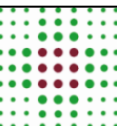
*University Hospital of Parma*

*Reggio Emilia – 17 aprile 2015*



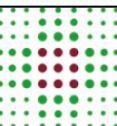
# Case History

- Female
- 46 years old
- Never smoker
- No exposure risk occupations
  
- von Willebrand disease type 1
- Previous surgery for pelvic endometriosis
- Surgical resection of breast fibroadenoma

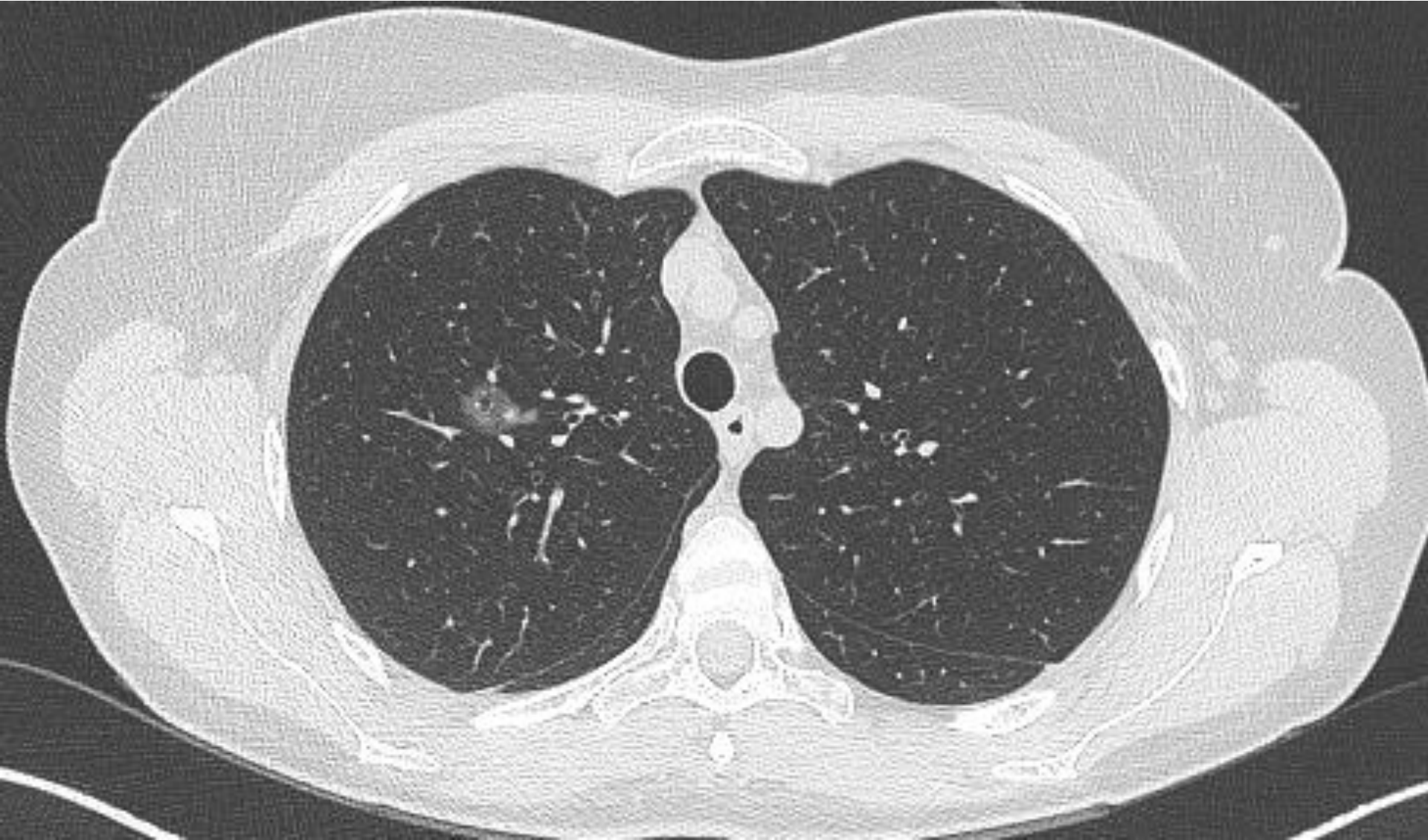


# Case History (2)

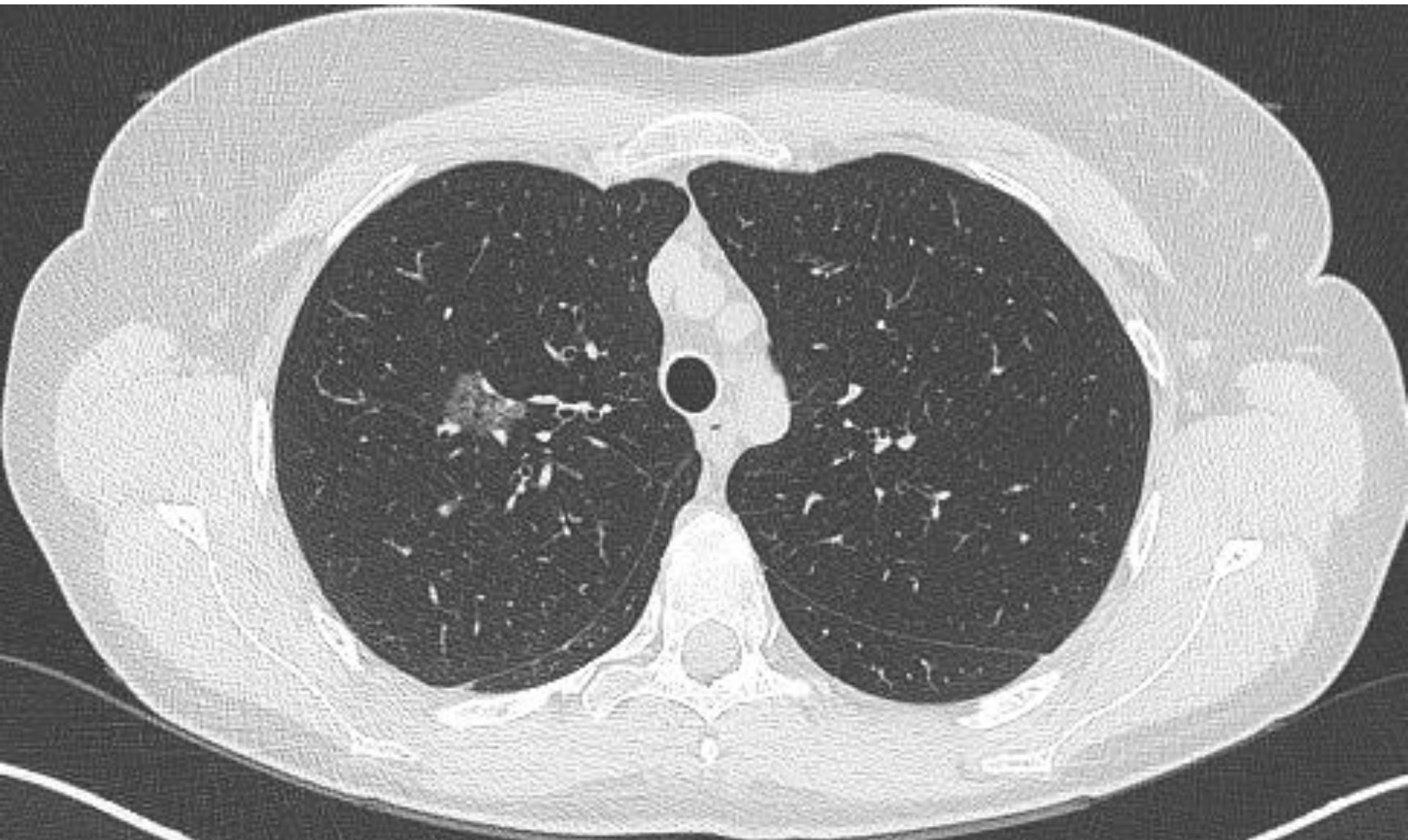
- Asymptomatic
- Blunt chest trauma → chest CT scan
- Radiological finding of pulmonary ground-glass opacity in the right upper lobe



# Base-line CT scan



# Base-line CT scan (2)

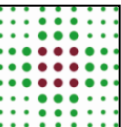


# Base-line CT scan (3)



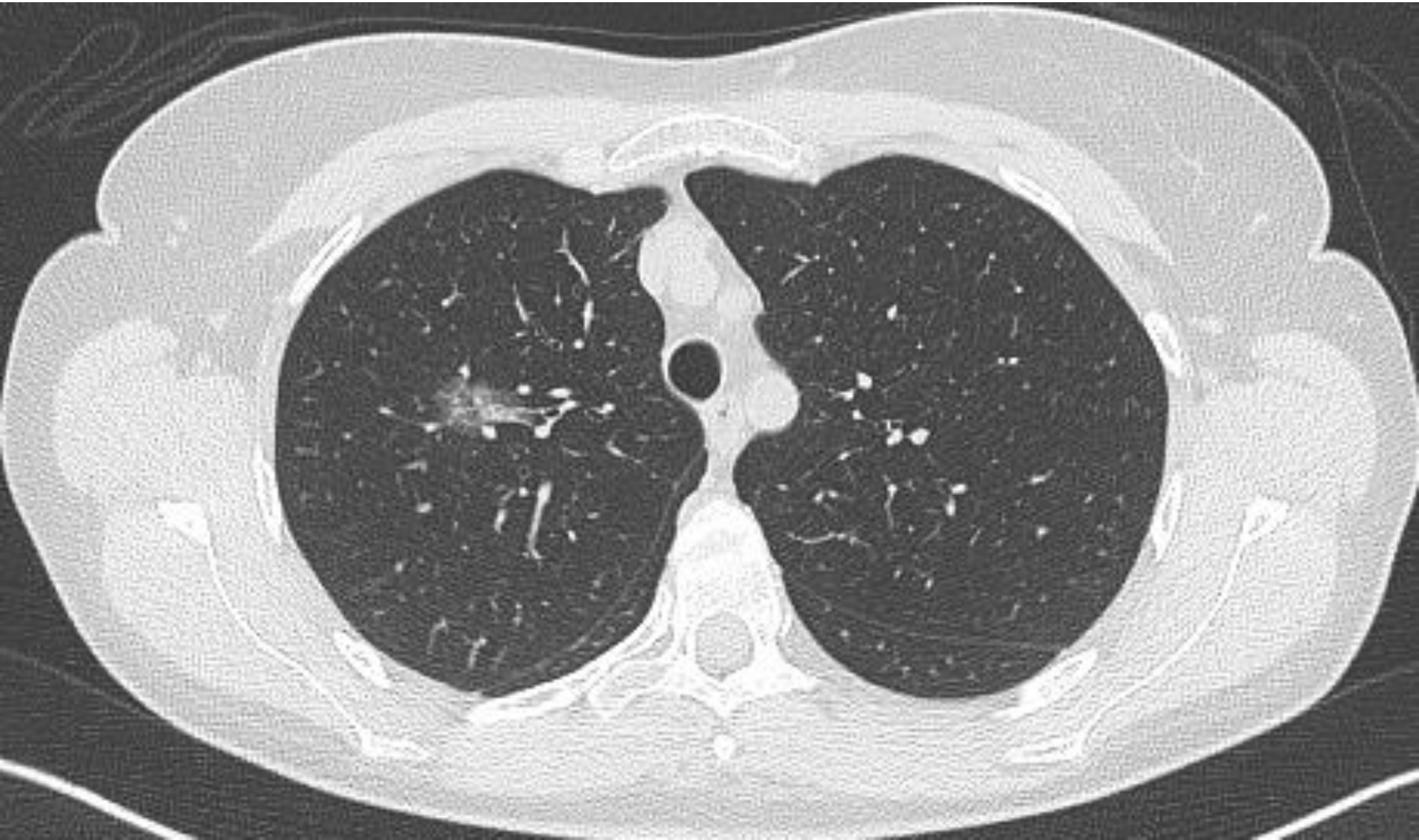
# Follow-up CT scans

- 6 months later: stable
- 12 months later: stable
- 18 months later: stable
- 30 months later: small increase in size and mild increase in density

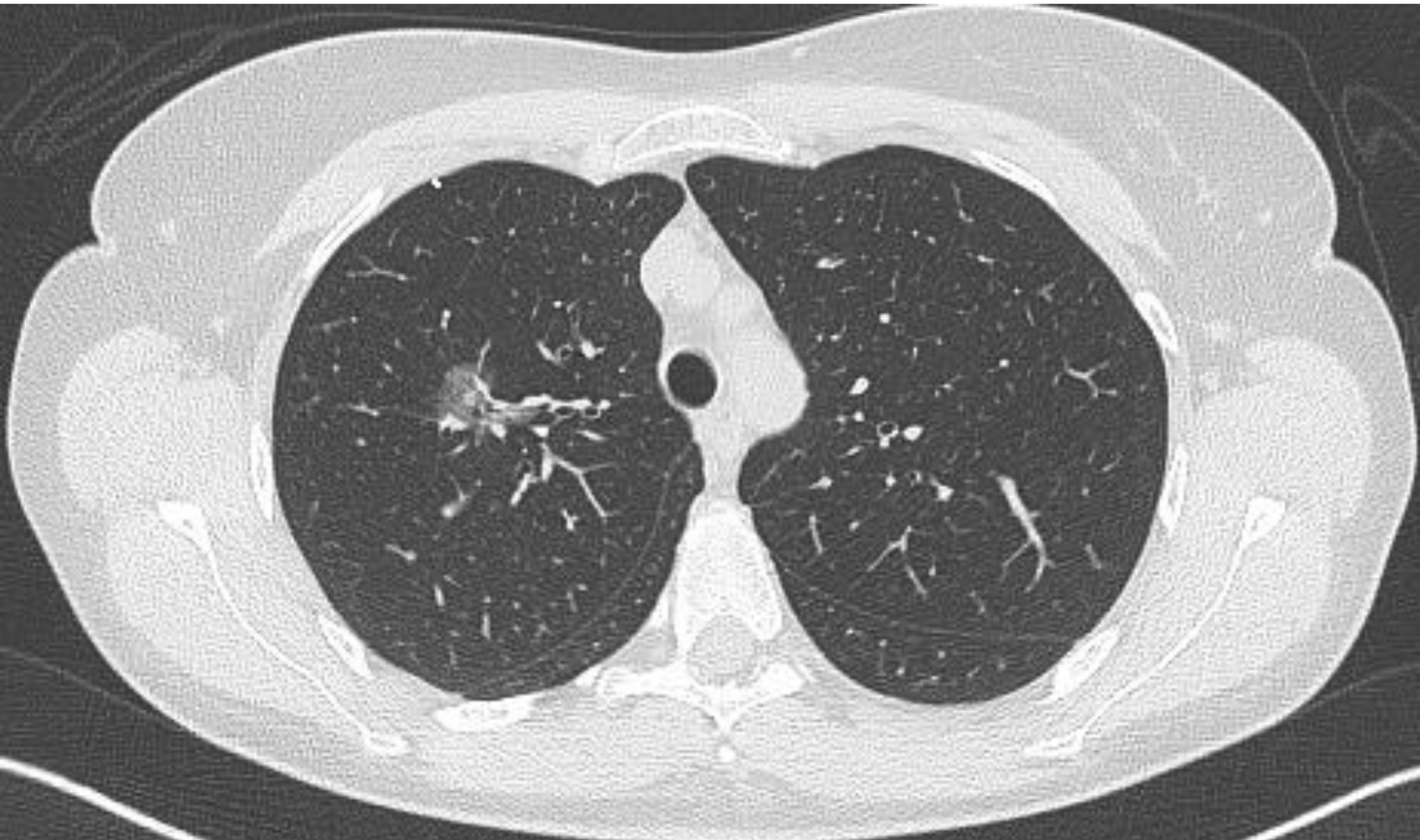




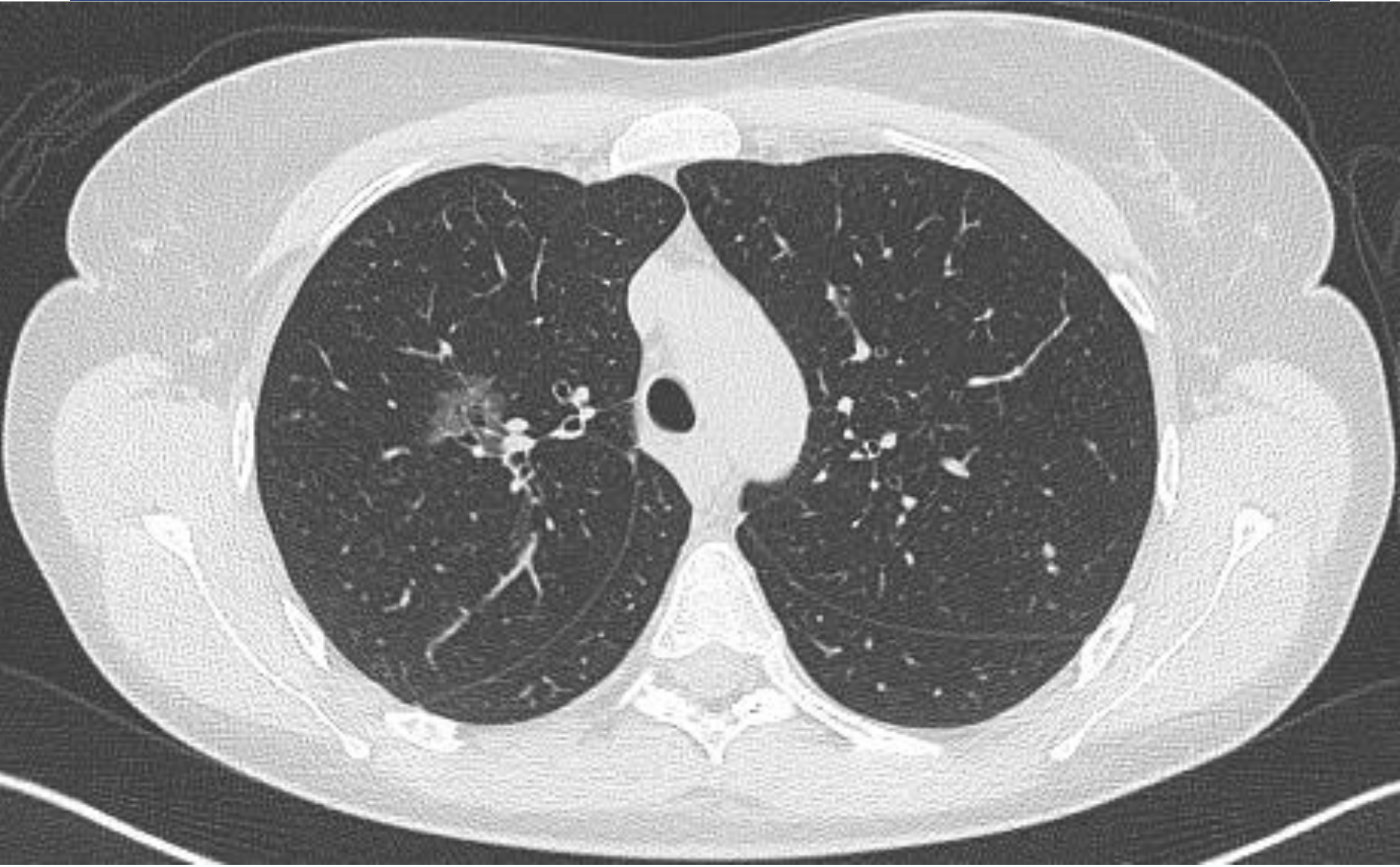
CT scan  
30 months later



# CT scan 30 months later (2)

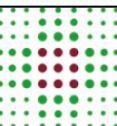


CT scan  
30 months later (3)



# Follow-up CT scan

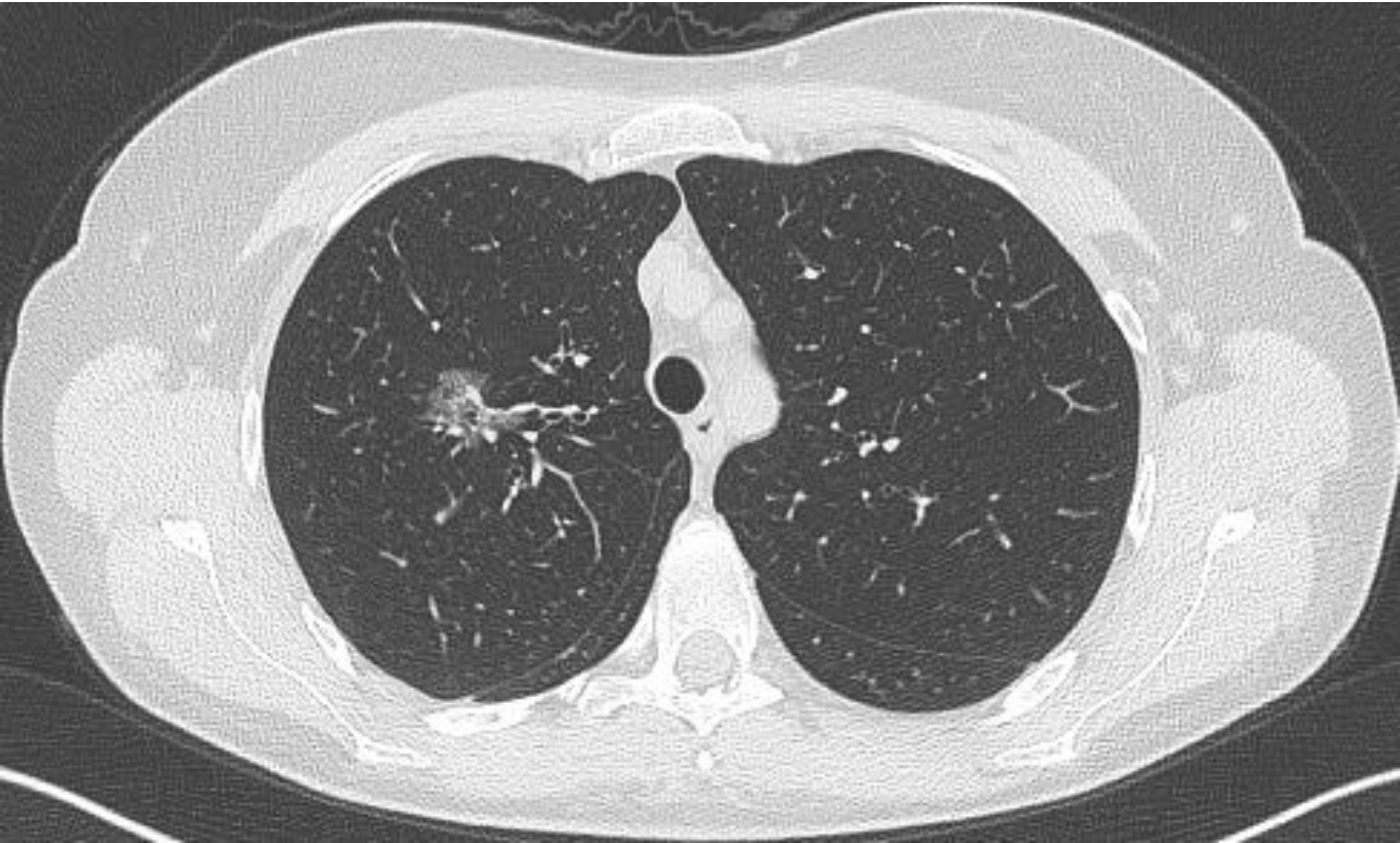
- 2 months later (32 months from first CT scan):  
stable



CT scan  
32 months later



CT scan  
32 months later (2)

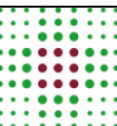


CT scan  
32 months later (3)



# Surgical Procedure

- VATS right upper lobectomy and lymphnodes dissection
- Operative time: 110 minutes
- No postoperative complications
- Drainage removal: 2° postoperative day
- Home discharge: 3° postoperative day







## Histopathological examination:

*Pulmonary adenocarcinoma*

*G2*

*Acinar (predominant) and  
lepidic patterns*

*pT1aN0 – stage 1A*



