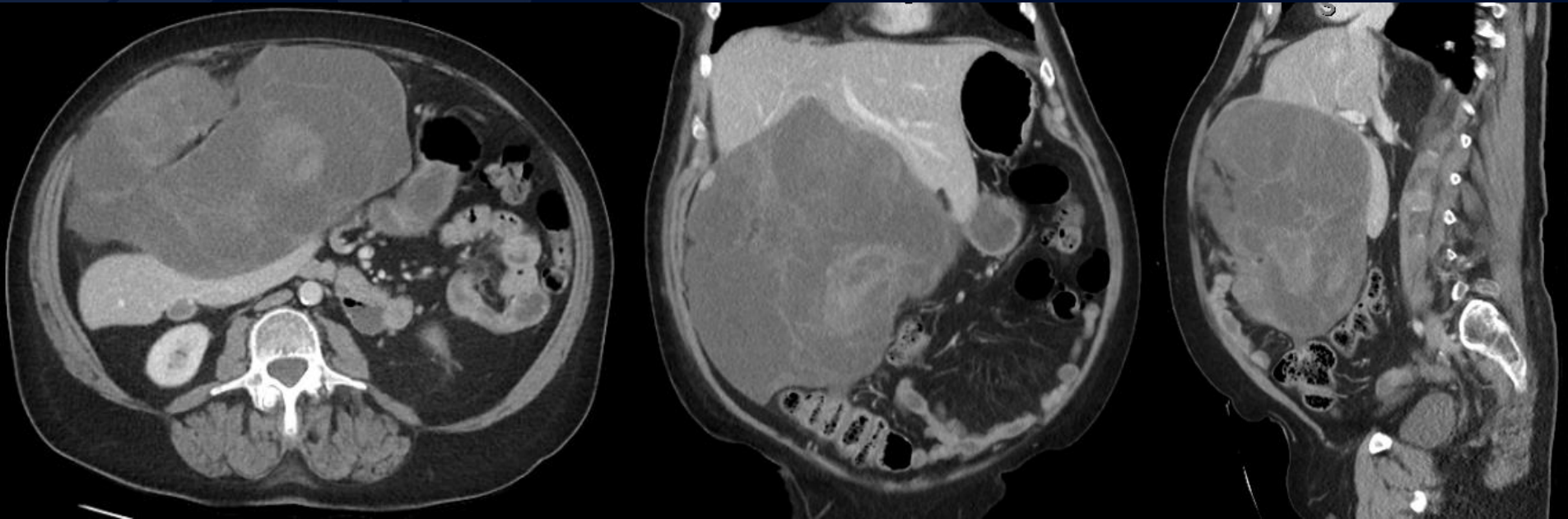
A large, stylized leaf graphic in a dark blue color, positioned on the left side of the slide. The leaf has a prominent vein structure and a wavy, serrated edge.

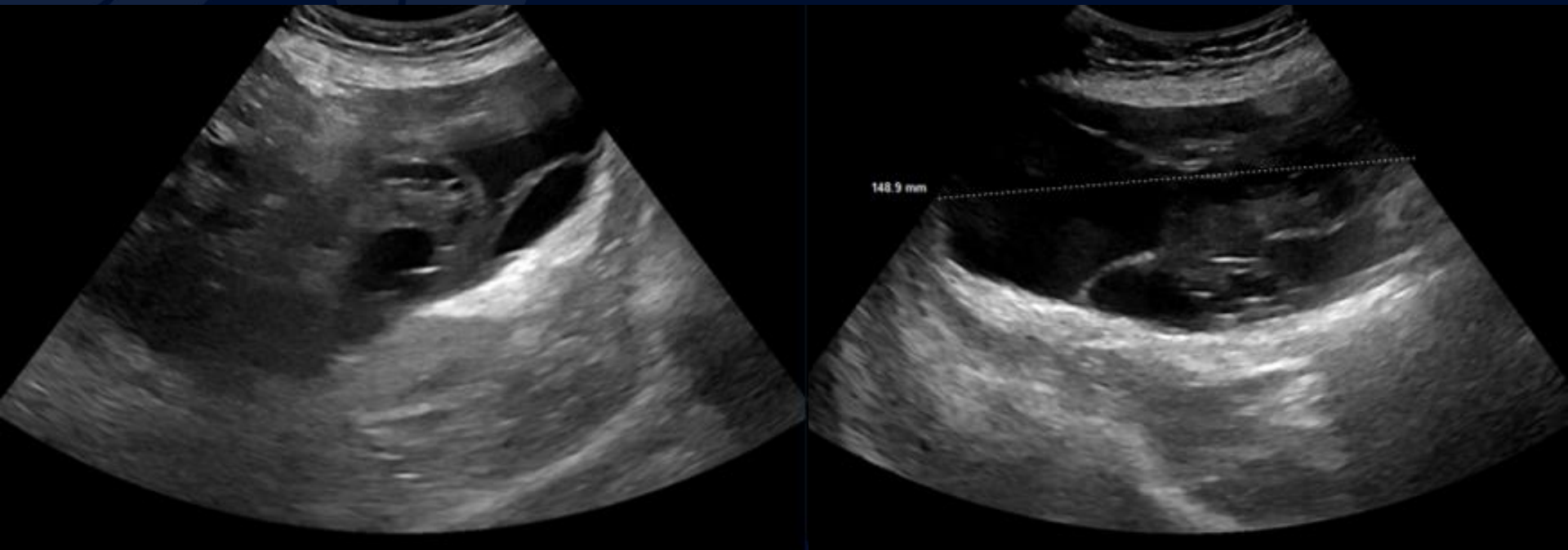
74-year-old female with a 1 month history of RUQ abdominal pain and distension

Victoria Li

CT IV Contrast



RUQ Ultrasound

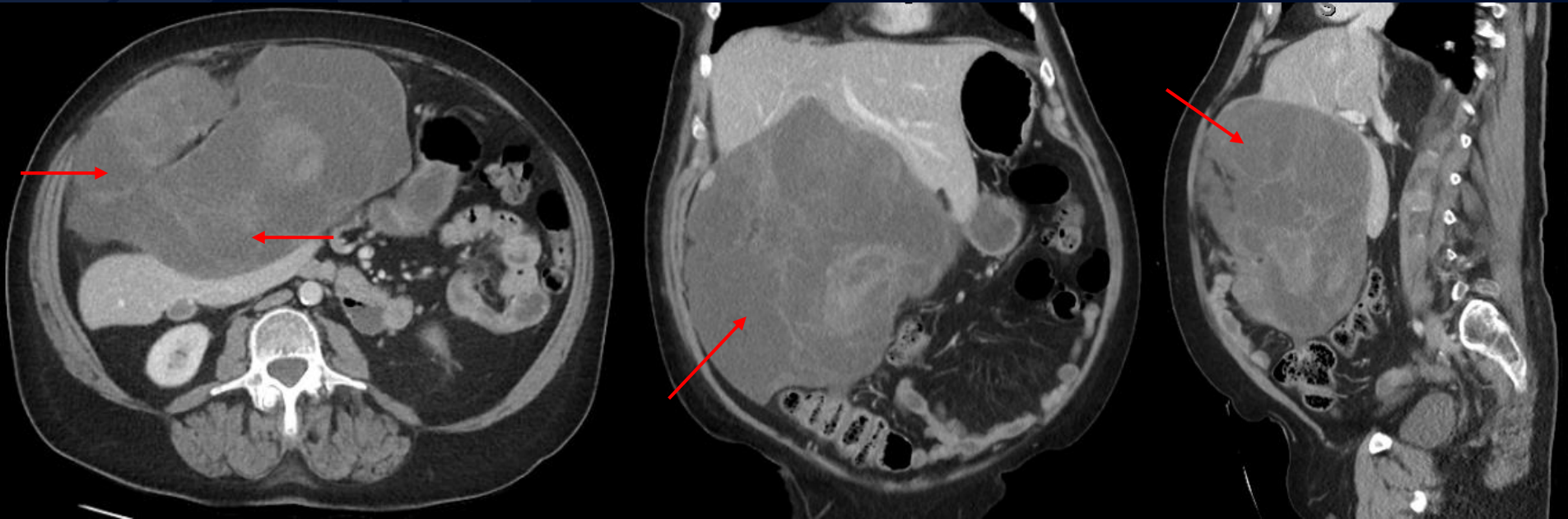


A large, stylized oak leaf graphic in a dark blue color, positioned on the left side of the slide. It features detailed vein patterns and a lobed edge.

?

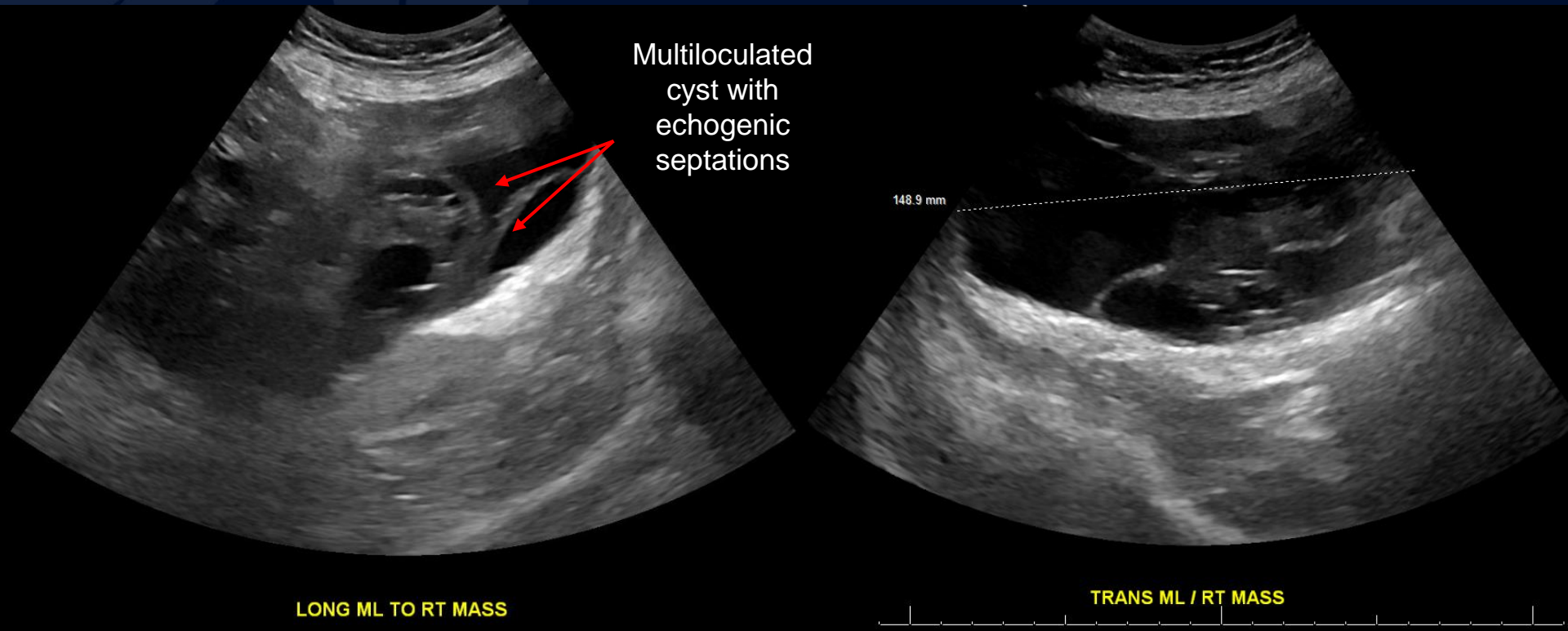
Mesenchymal Hamartoma of the Liver

CT IV Contrast



Multiloculated lesions

RUQ Ultrasound



Mesenchymal Hamartoma of the Liver

- Mesenchymal hamartoma
 - Large benign multi-cystic tumor
 - Pathophysiology relatively unknown
 - Commonly seen in neonates/infants, very rare in adults
 - Hypothesized to arise from abnormal mesodermal development in children
 - Possibly related to genetic abnormality: karyotyping shows chromosomal rearrangement in 19q13.4
- Clinical presentation
 - Rapidly expanding liver mass with RUQ pain, fatigue, fever
 - Sometimes spontaneously regress, or will require resection

Imaging Features

Radiography

- Hepatomegaly or noncalcified RUQ mass displacing bowel

Sonography

- Anechoic cysts, echogenic septations
 - Mobile septations and hyperechoic nodules are suggestive
 - Swiss cheese or sieve appearance: multiple cysts scattered throughout solid tissue
 - Little blood flow on doppler examination
 - Very rarely hypervascular, when so, blood flow is usually peripherally distributed

CT

- Fluid-attenuating cystic components with enhancing septations
- +/- solid components

MR

- Cystic components: T1 variable, T2 hyperintense, no central enhancement
- Septations/stromal components: T1 and T2 intermediate to low signal intensity, variable enhancement
 - Rarely will mimic a large congenital hemangioma with internal T2 heterogeneity and hypervascular rim with peripheral enhancement

References

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Klaassen Z, Paragi PR, Chamberlain RS. Adult Mesenchymal Hamartoma of the Liver: Case Report and Literature Review. *Case Rep Gastroenterol*. 2010;4(1):84-92. Published 2010 Mar 13. doi:10.1159/000260183

Del Poggio P, Buonocore M. Cystic tumors of the liver: a practical approach. *World J Gastroenterol*. 2008;14(23):3616-3620. doi:10.3748/wjg.14.3616

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