

XXIX CONGRESO NACIONAL

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Imagenología en la evaluación de la estenosis aórtica.



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Estenosis aórtica

Discordancias área/gradiente

Baja área / bajo gradiente disfunción

Baja área / bajo gradiente paradójal

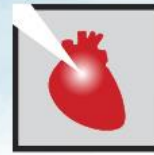
Baja área / bajo gradiente / flujo normal

Alto gradiente / área grande

Discordancias síntomas/severidad

Discordancias evaluación función ventricular

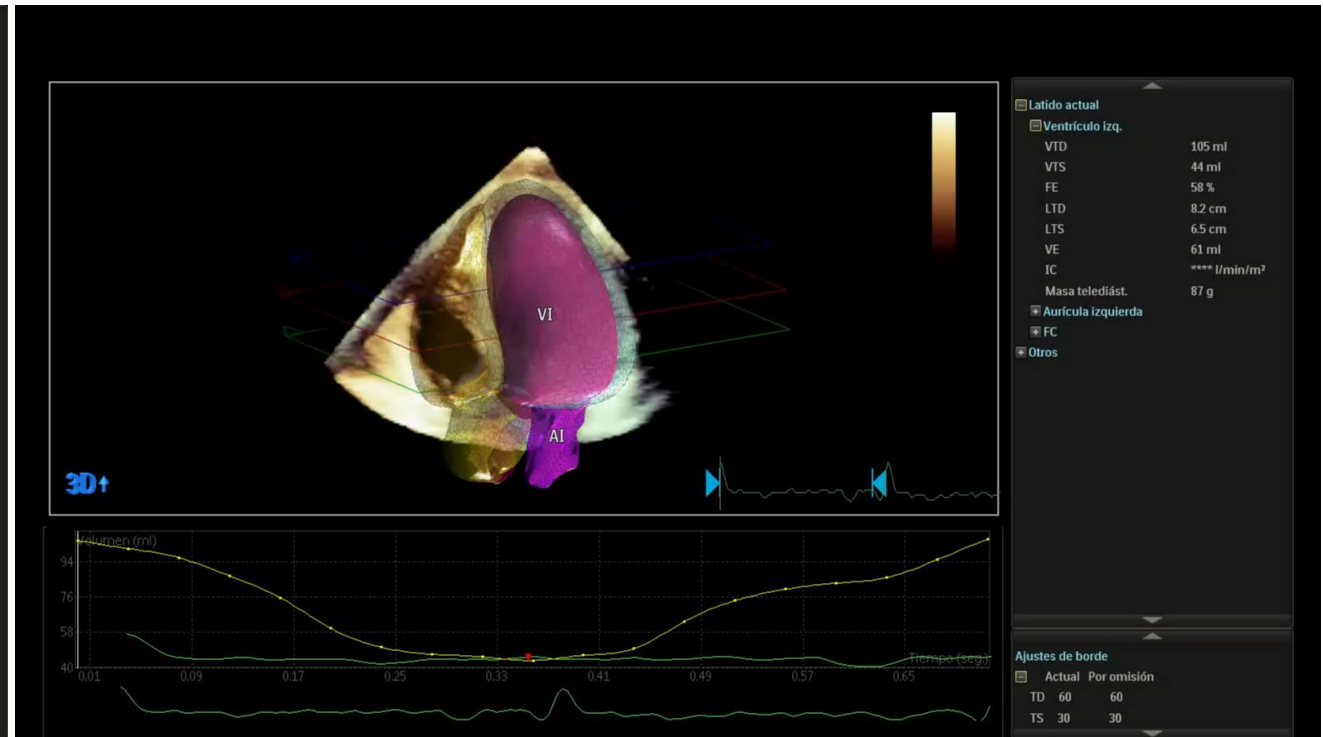
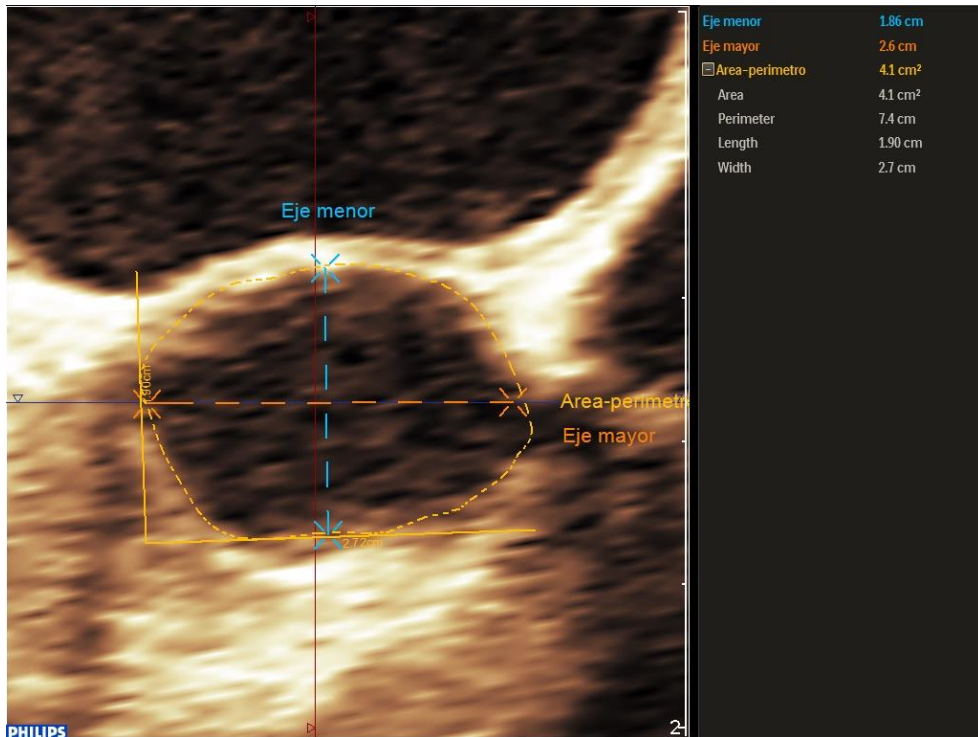
Planificación de procedimientos

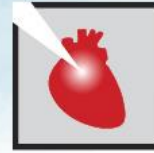
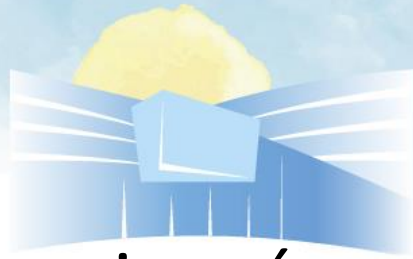


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Discordancias área – gradiente: Eco3D





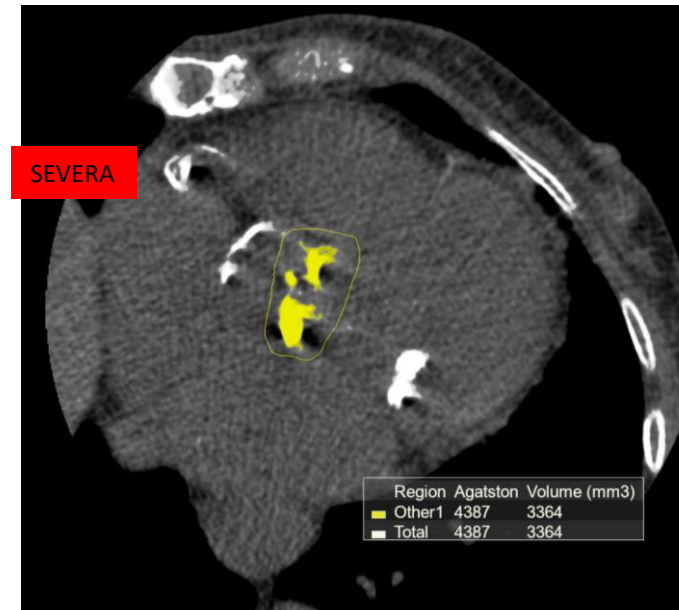
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Discordancias área – gradiente: Score calcio

Punto de corte	Hombres	Mujeres
Score total (Unidades Agatston)	2065 UA	1275
Score indexado sup. corporal	1067 UA/m ²	637 UA/m ²
Score indexado TSVI	476 UA/cm ²	292 UA/cm ²



ESTIMAR SEVERIDAD EN CASOS DUDOSOS

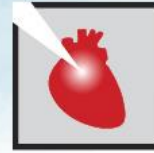


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Discordancias área – gradiente: resonancia



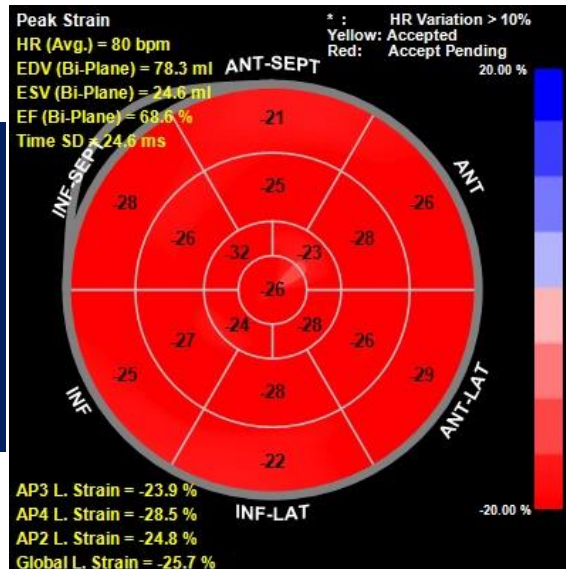


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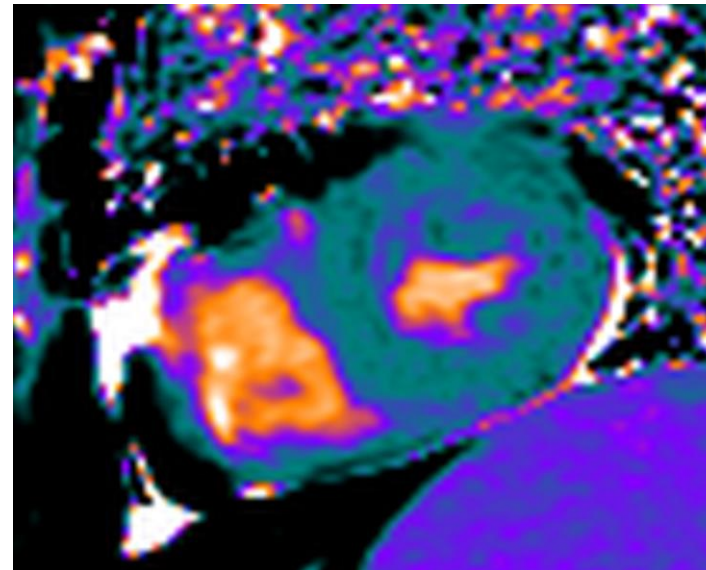
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Discordancias síntomas – severidad – función VI

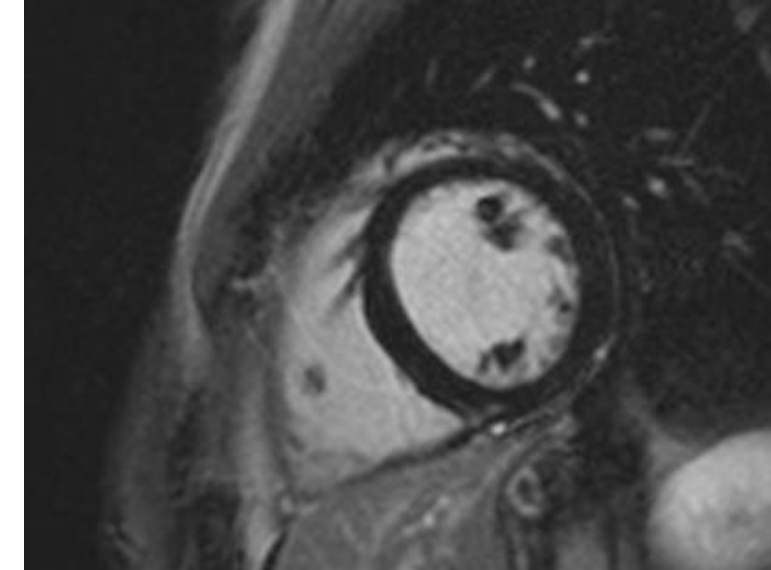
BNP
proBNP



Eco: strain



RMI: T1 mapping (fibrosis difusa)



RMI: LGE (fibrosis focal, de reemplazo)

Evaluar la función de fibra vs función de cámara
Fibrosis miocárdica intersticial & reemplazo



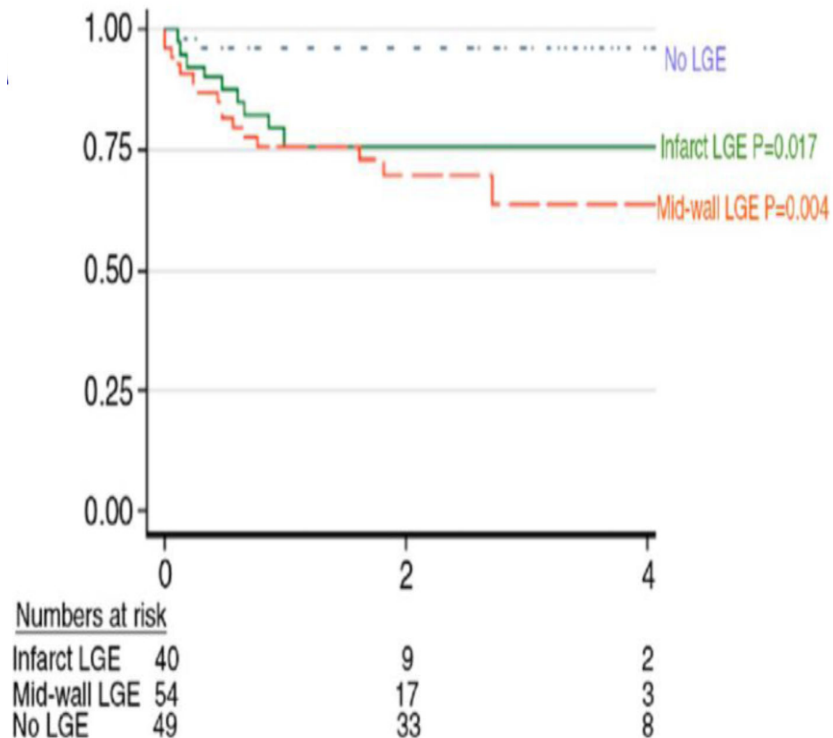
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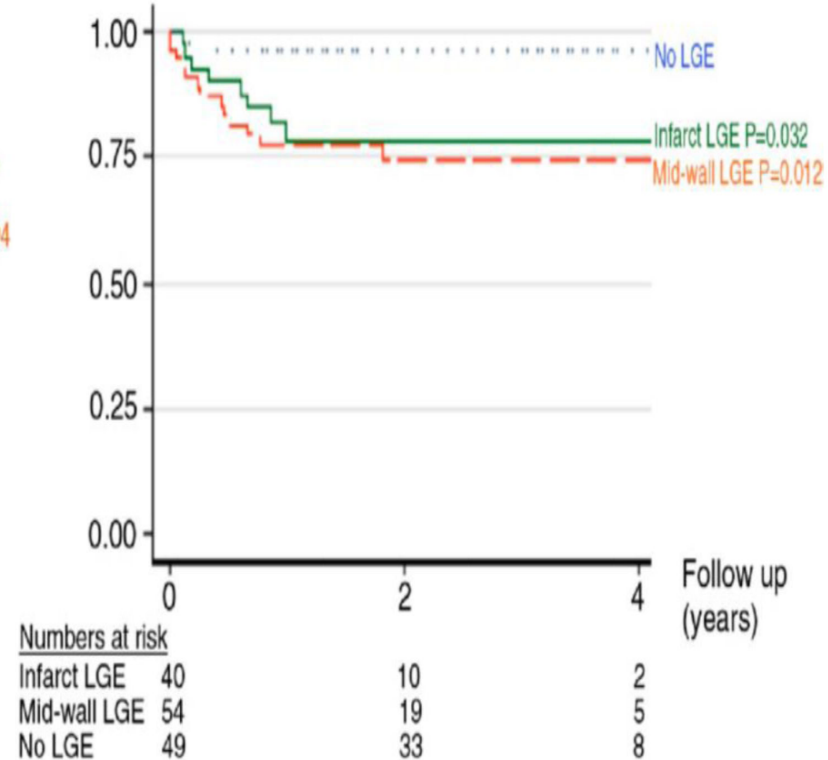
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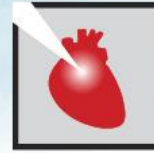
Fibrosis miocárdica: pronóstico

All-cause Mortality



Cardiovascular Mortality





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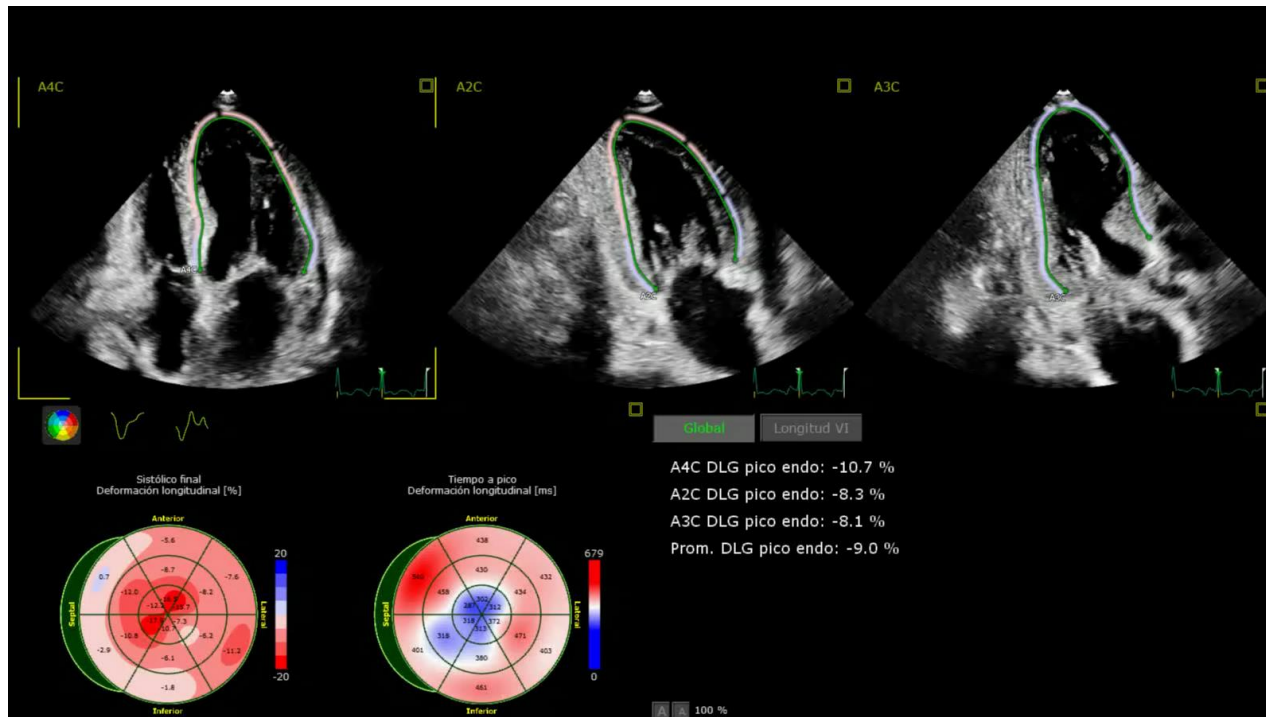
Comorbilidades: amiloidosis

Prevalencia

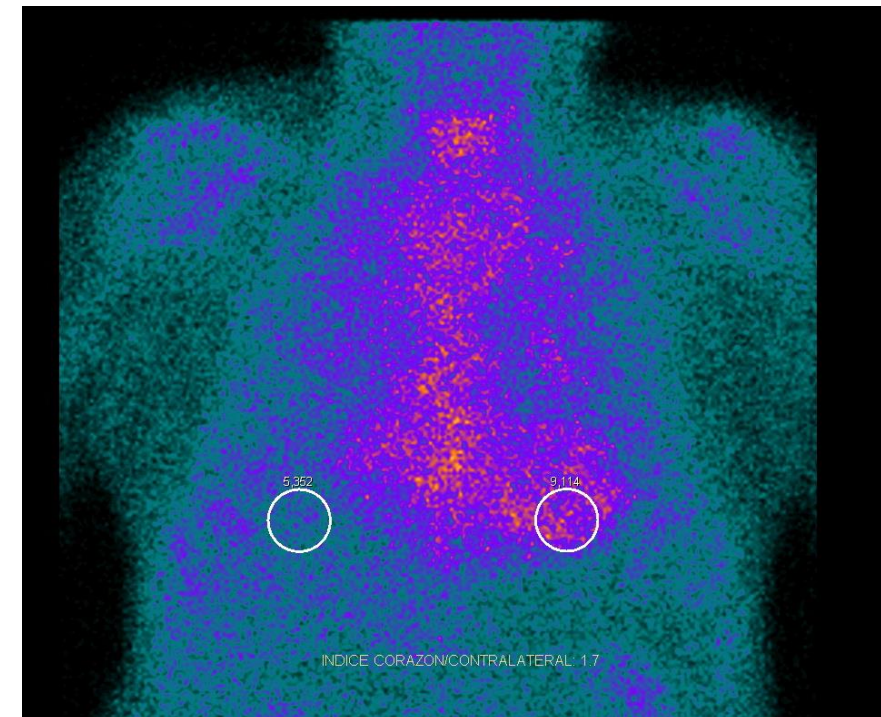
≤ 15% Estenosis aórtica

≤ 30% Bajo flujo-bajo gradiente

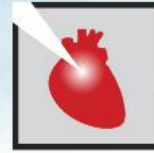
Centellograma con Pirofosfato



Eco: strain (gradiente apico basal)



PIROFOSFATO RELACION >1.5

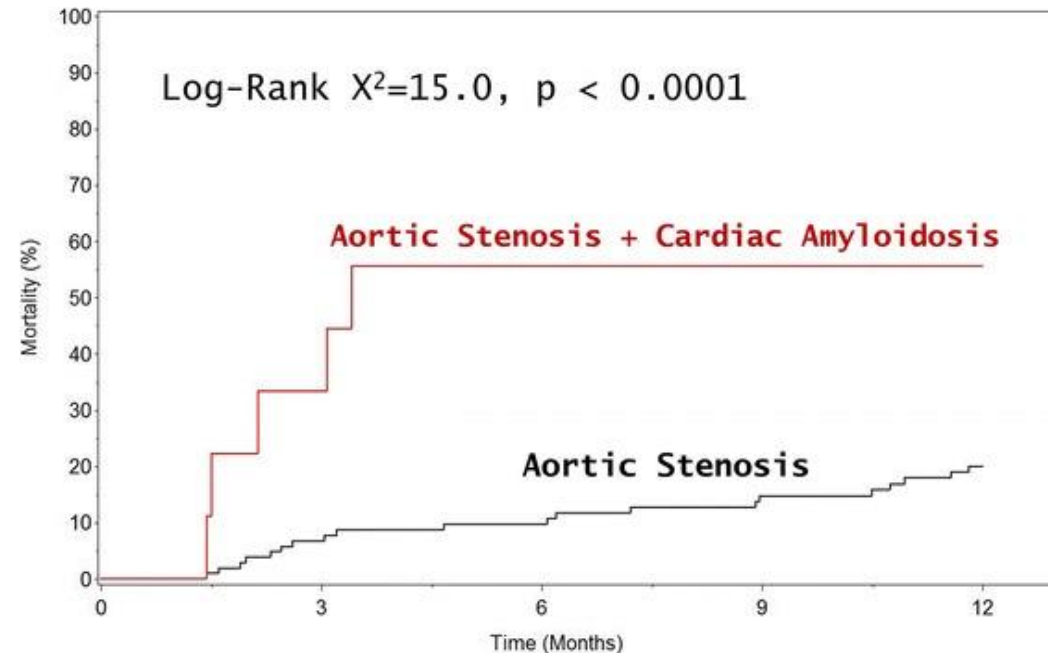


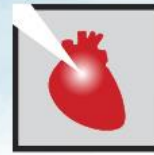
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Amiloidosis en estenosis aórtica senil

Mortalidad al año 56% vs 20%

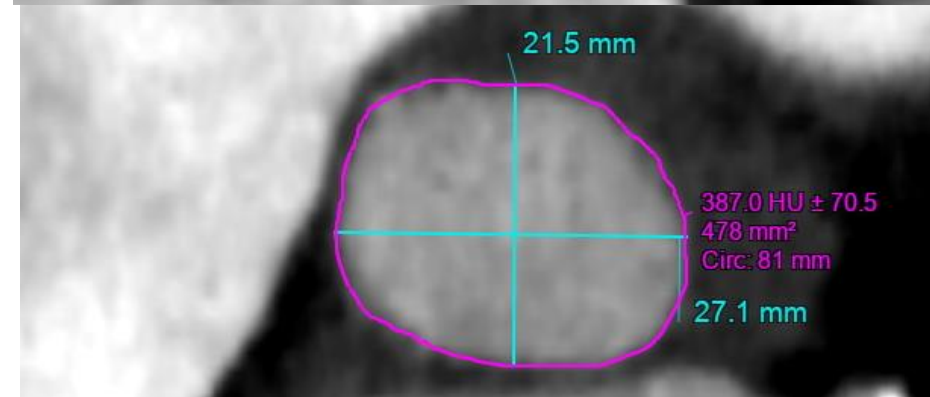
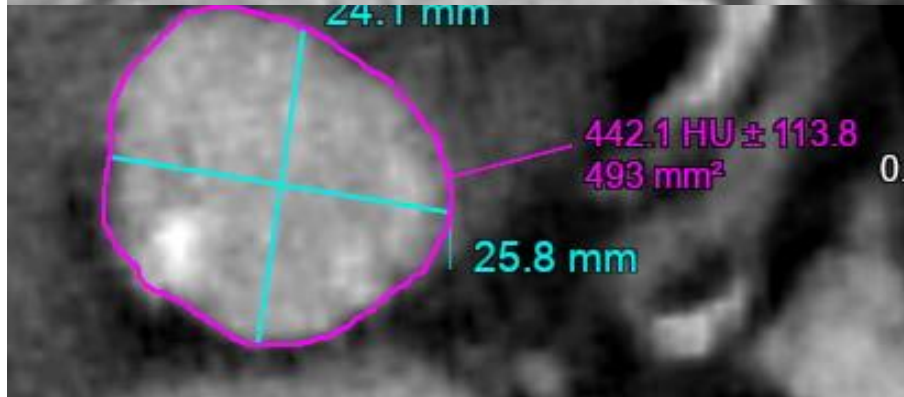
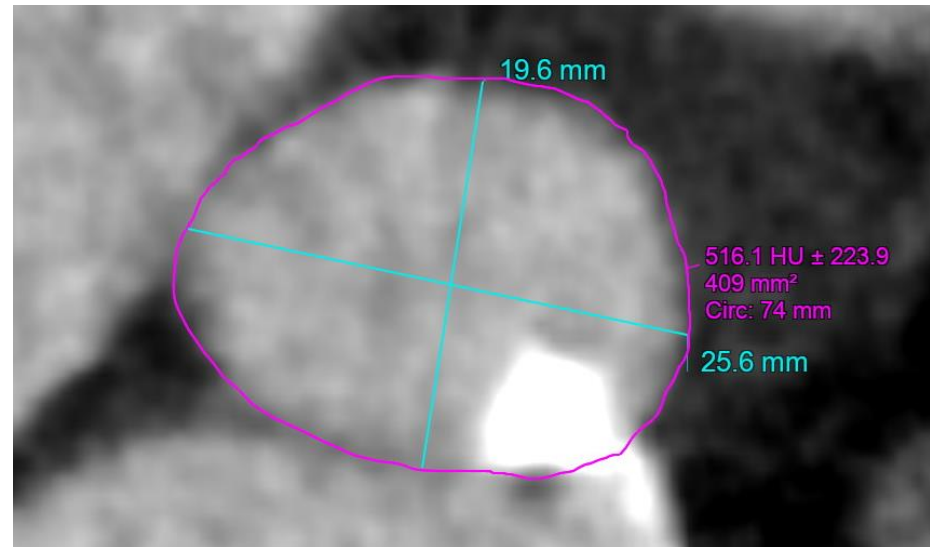
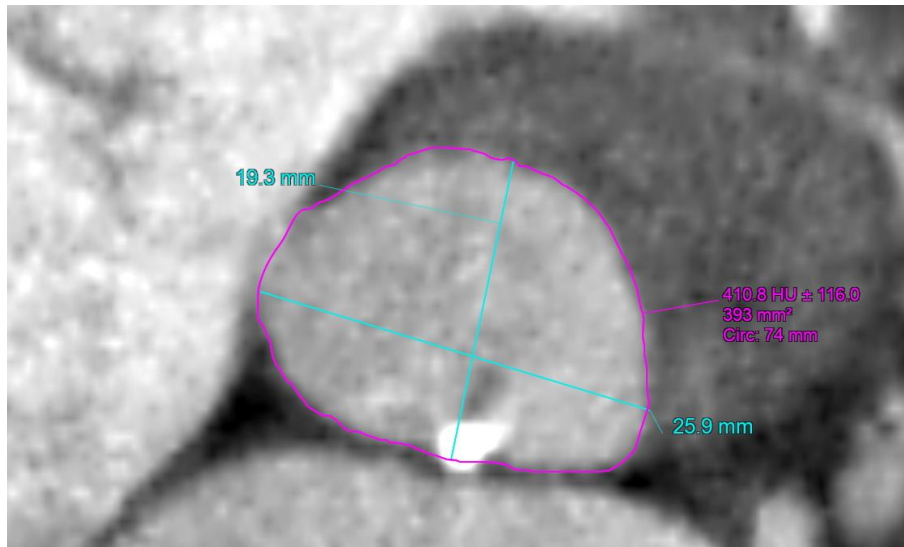




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Anillo aórtico

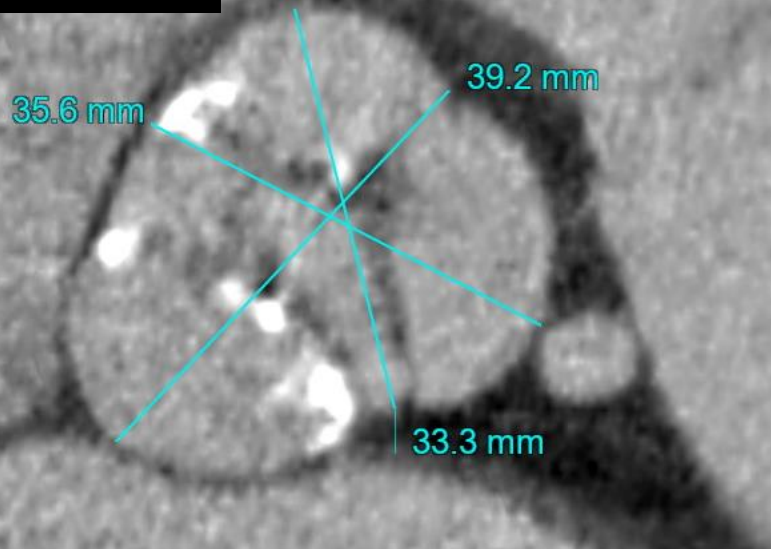




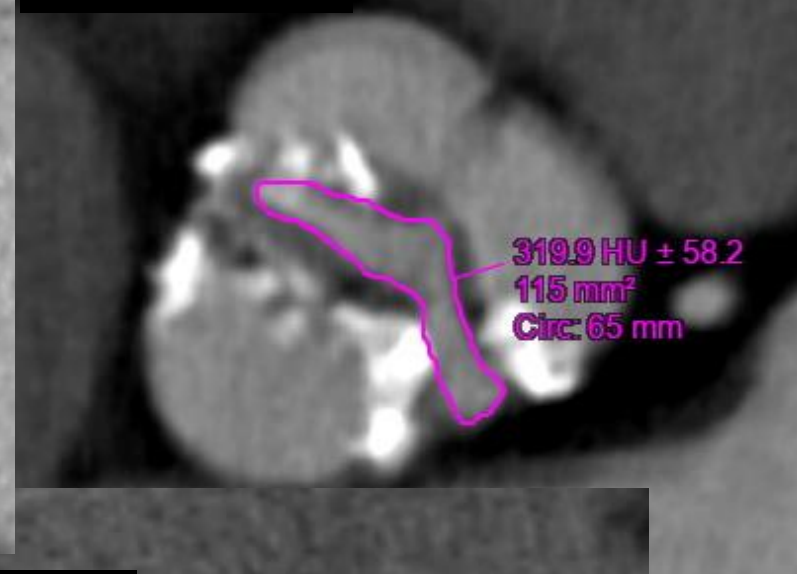
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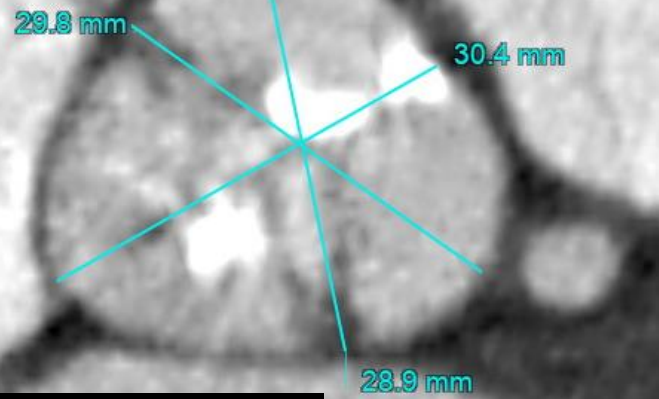
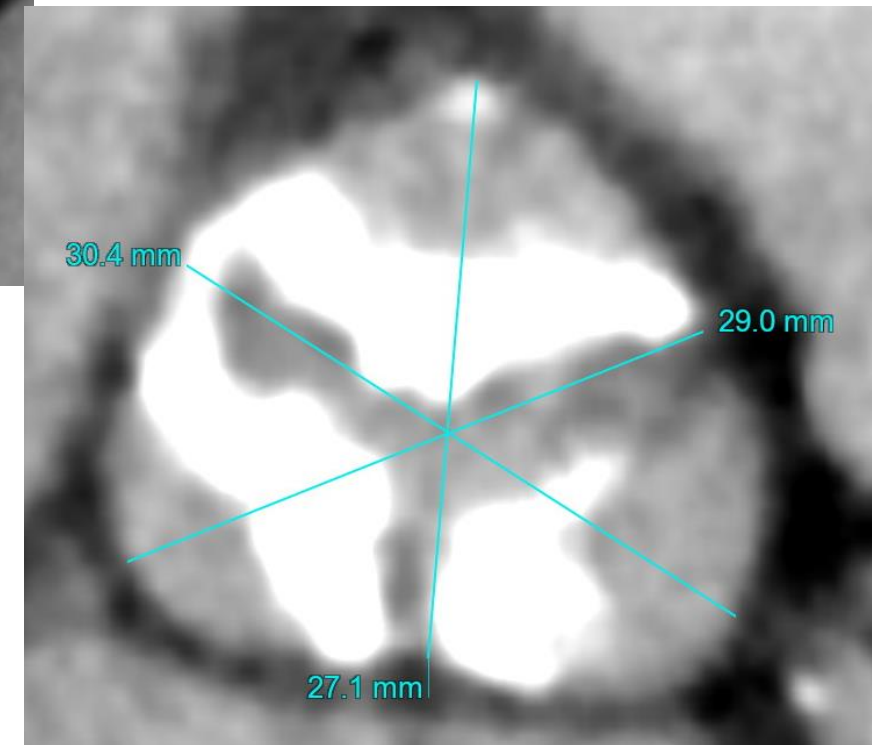
Sievers tipo 0



Sievers tipo 1

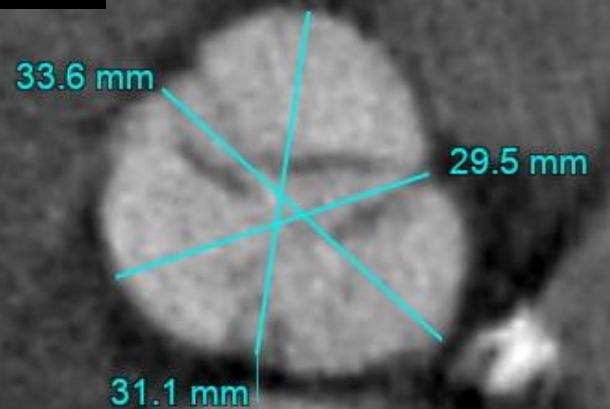


Raíz aórtica



Bicúspide funcional

Trivalva

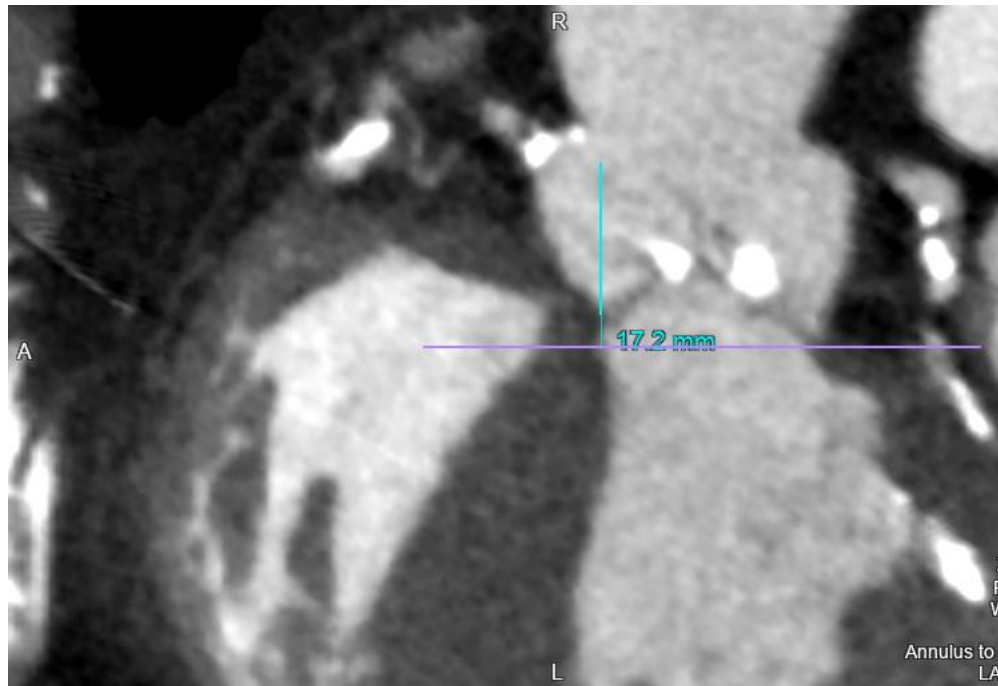




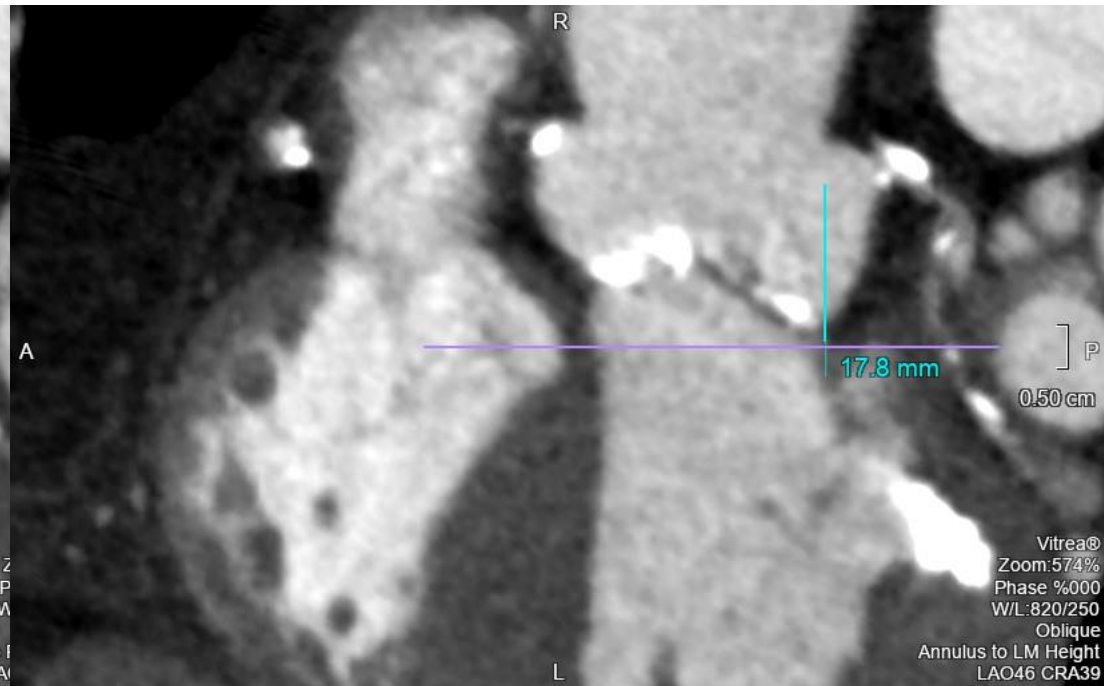
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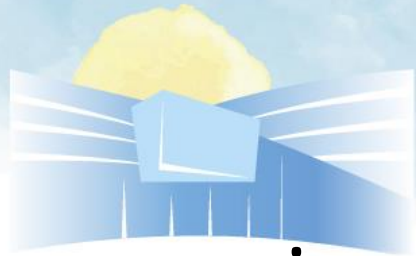
Altura de ostiums coronarios



Coronaria derecha



Coronaria izquierda



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Proyección angiográfica implante



RAO2 CRA4

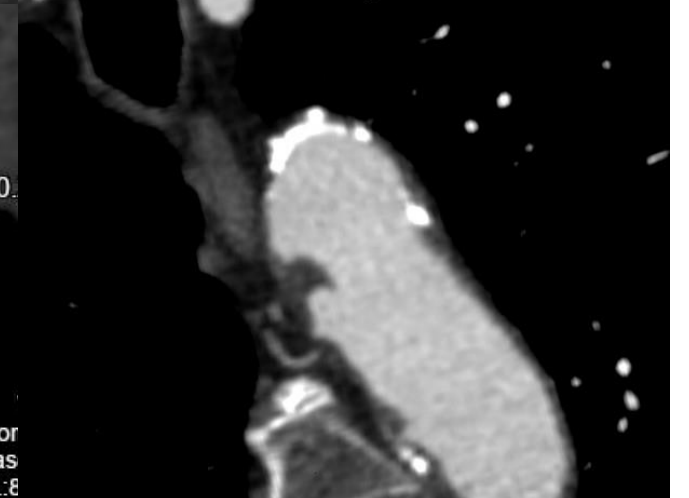
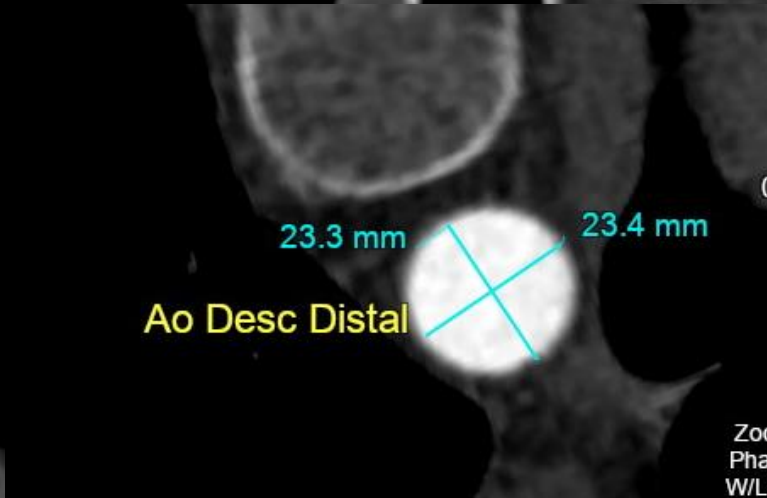
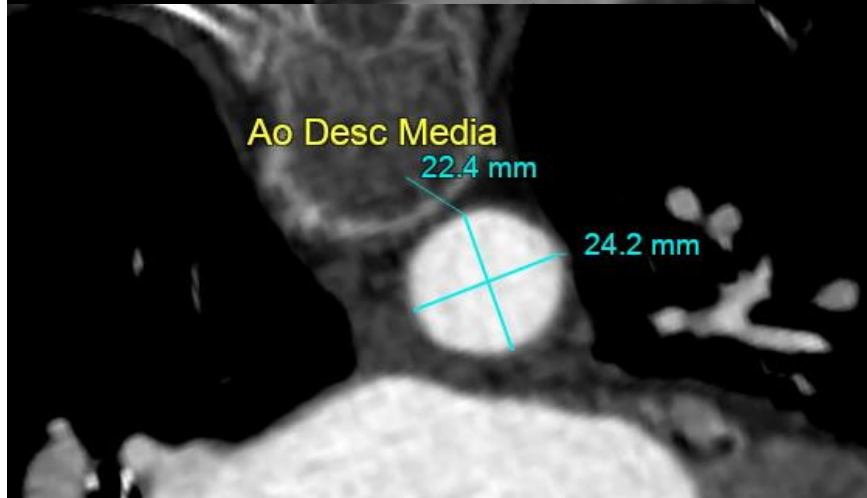
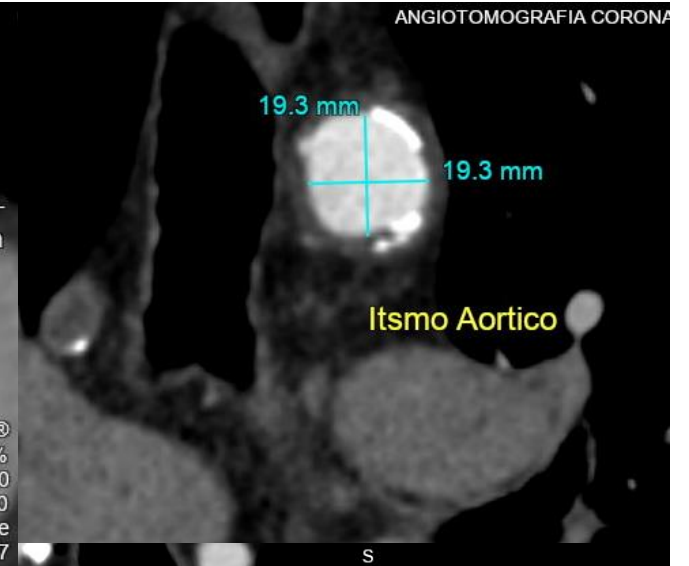
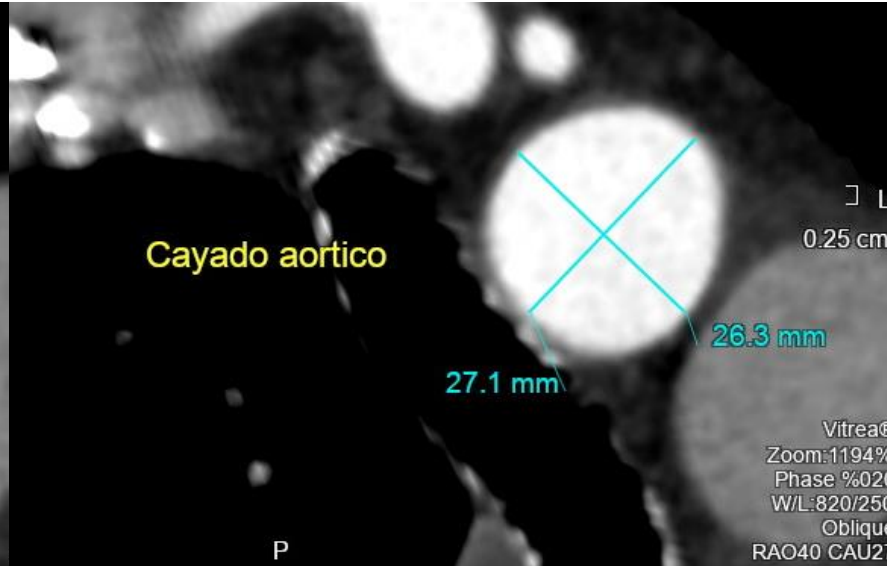
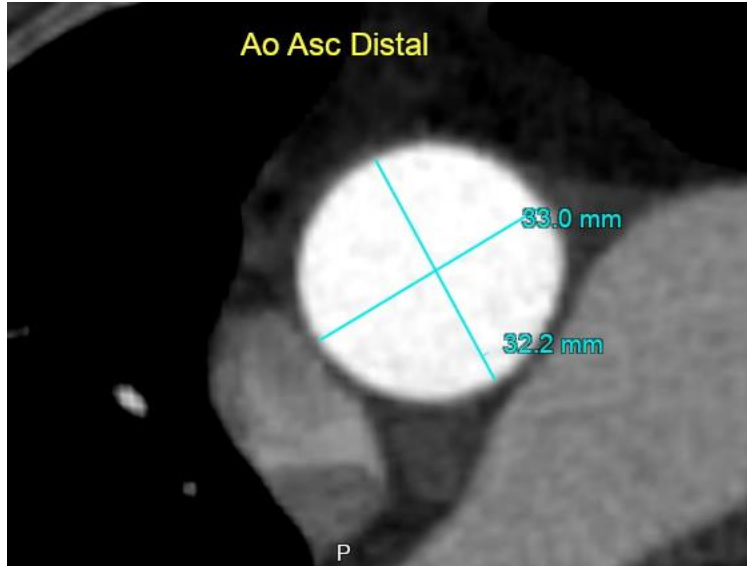
LAO7 CRA8

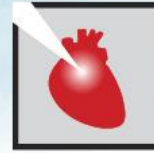


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Aorta torácica





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Aorta: distribución y tortuosidad

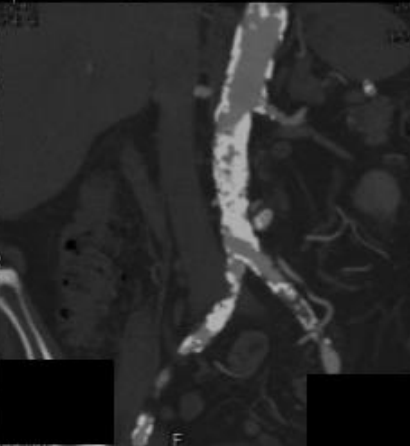
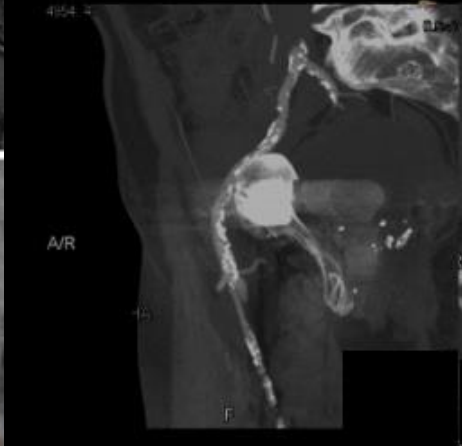
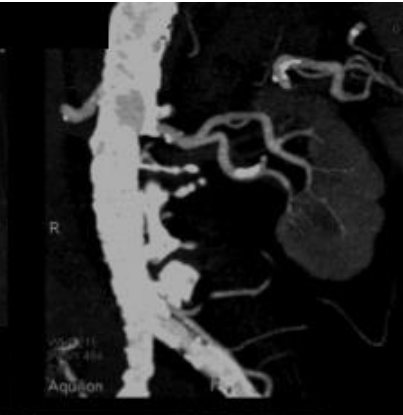
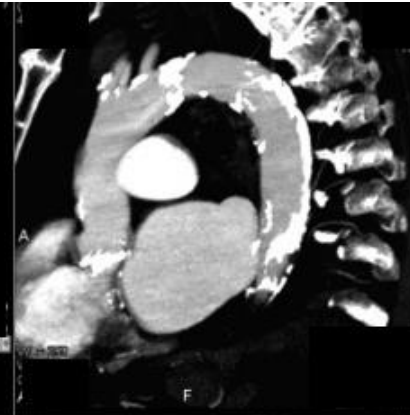
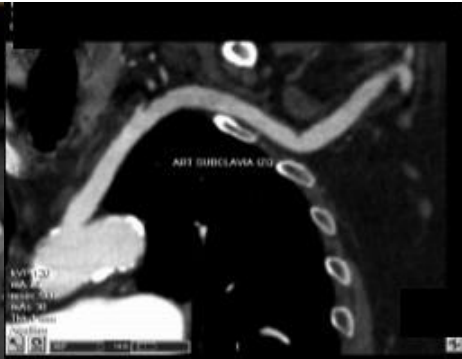
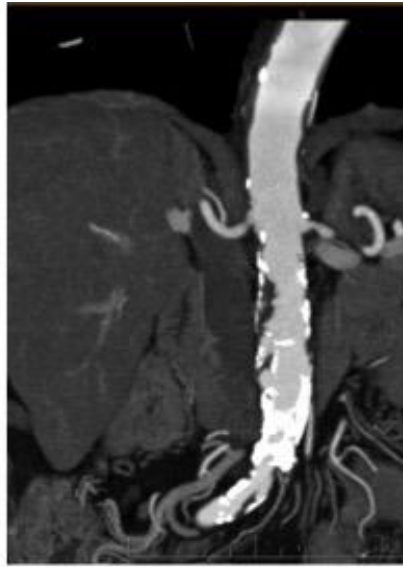
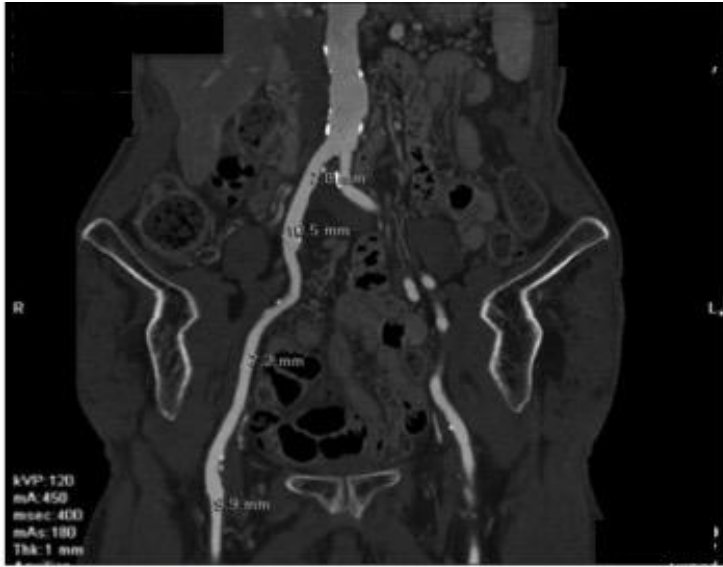


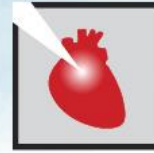


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ACCUSOS

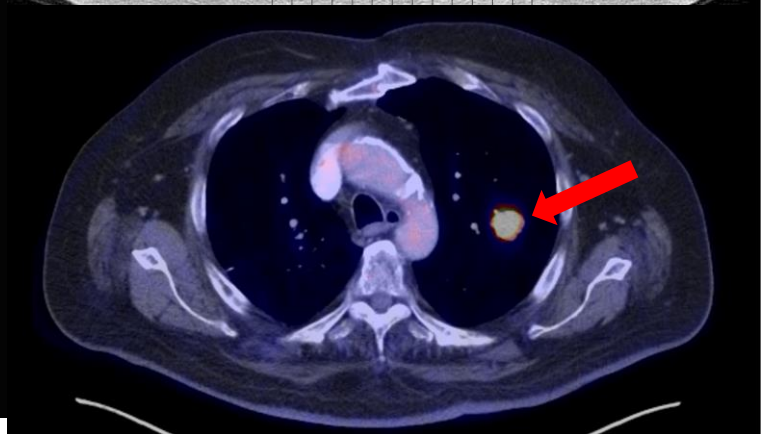
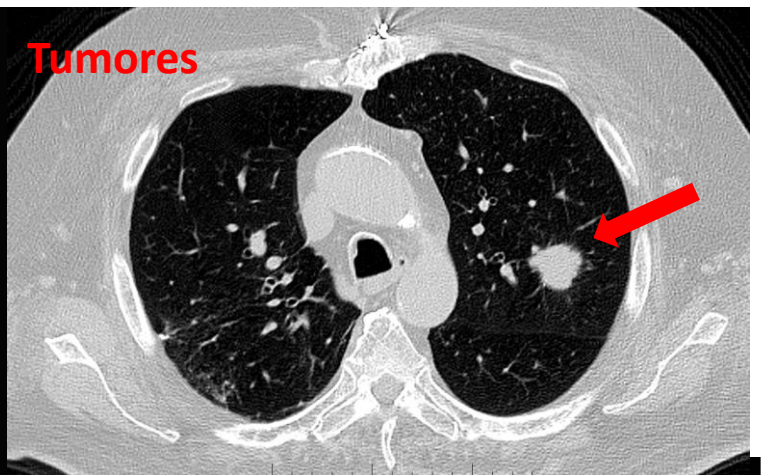
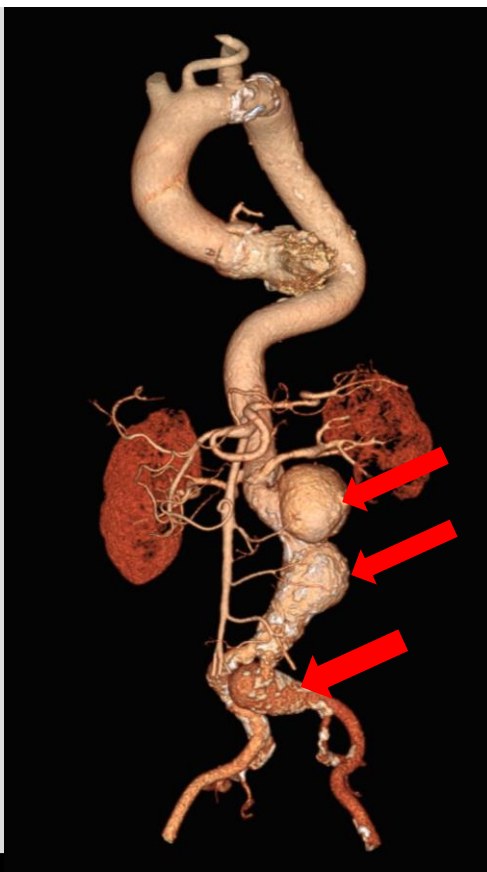
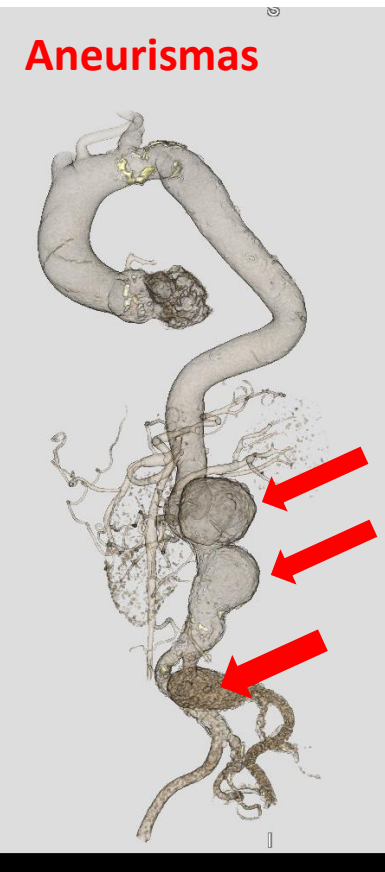
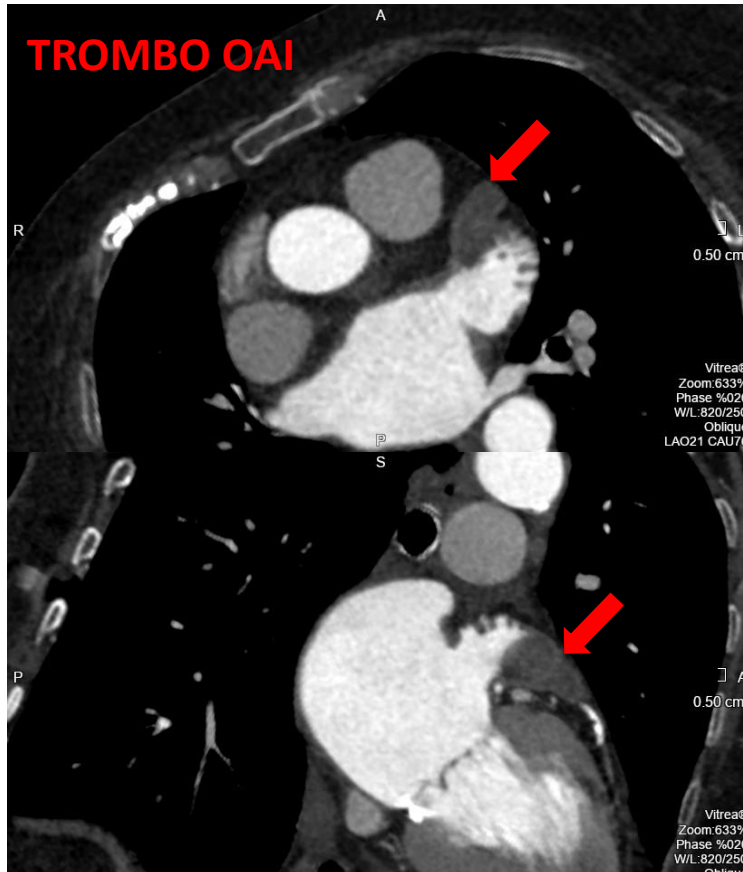




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Hallazgos incidentales





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Hallazgos incidentales

- La estenosis aórtica es una valvulopatía compleja.
- Ecocardiograma es la herramienta rutinaria de evaluación y seguimiento.
- Enfoque multi-imagen es muy frecuente en situaciones que requieran:
 - Reevaluar severidad
 - Reevaluar función ventricular/daño miocárdico
 - Anatomía valvular y accesos



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Muchas gracias