

Endovascular management of unusual ,late presentation of mid-aortic syndrome infra-renal type

By

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Disclosure

Speaker name: mahmoud elmeniesy, MD , EB-VS

I do not have any potential conflict of interest

Background

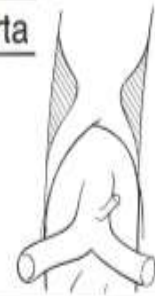
- Mid-aortic syndrome is a rare poorly defined disease affecting distal thoracic and abdominal aorta
- Mostly presented in childhood or young adult .

pathogenesis

- idiopathic
- Genetic failure of fusion of 2 dorsal aortas
- Neurofibromatosis (von Recklinghausen disease)
- Alagille's syndrome or Williams' syndrome
- Acquired inflammatory (Takayasu's arteritis)
- Intrauterine infection (particularly rubella).

Areas of Aortic Involvement

3% Distal Thoracic Aorta



Vessels Involved*

20% Celiac Trunk



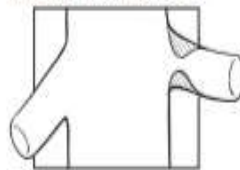
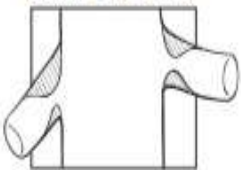
30% Superior Mesenteric Artery



70% Renal Artery

60% Bilateral

20% Unilateral



20% unspecified

97% Abdominal Aorta

43%

29%

8%

8%

12% Supra-to Infrarenal

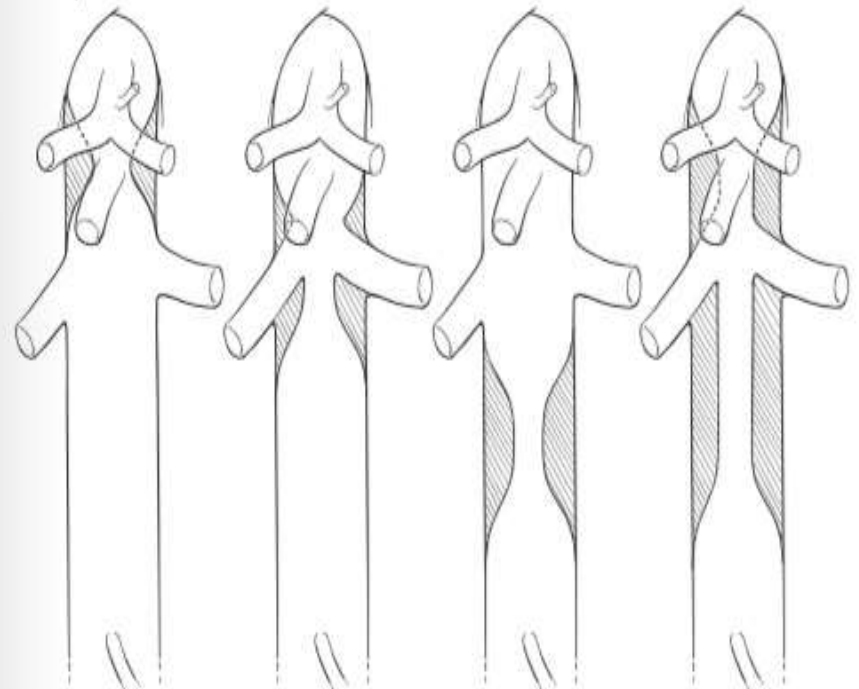
Unspecified

Suprarenal

Interrenal

Infrarenal

Supra-to Infrarenal



* Multiple vessels could be involved

Usual presentation

PRESENTED IN CHILD HOOD AND YOUNG ADULT

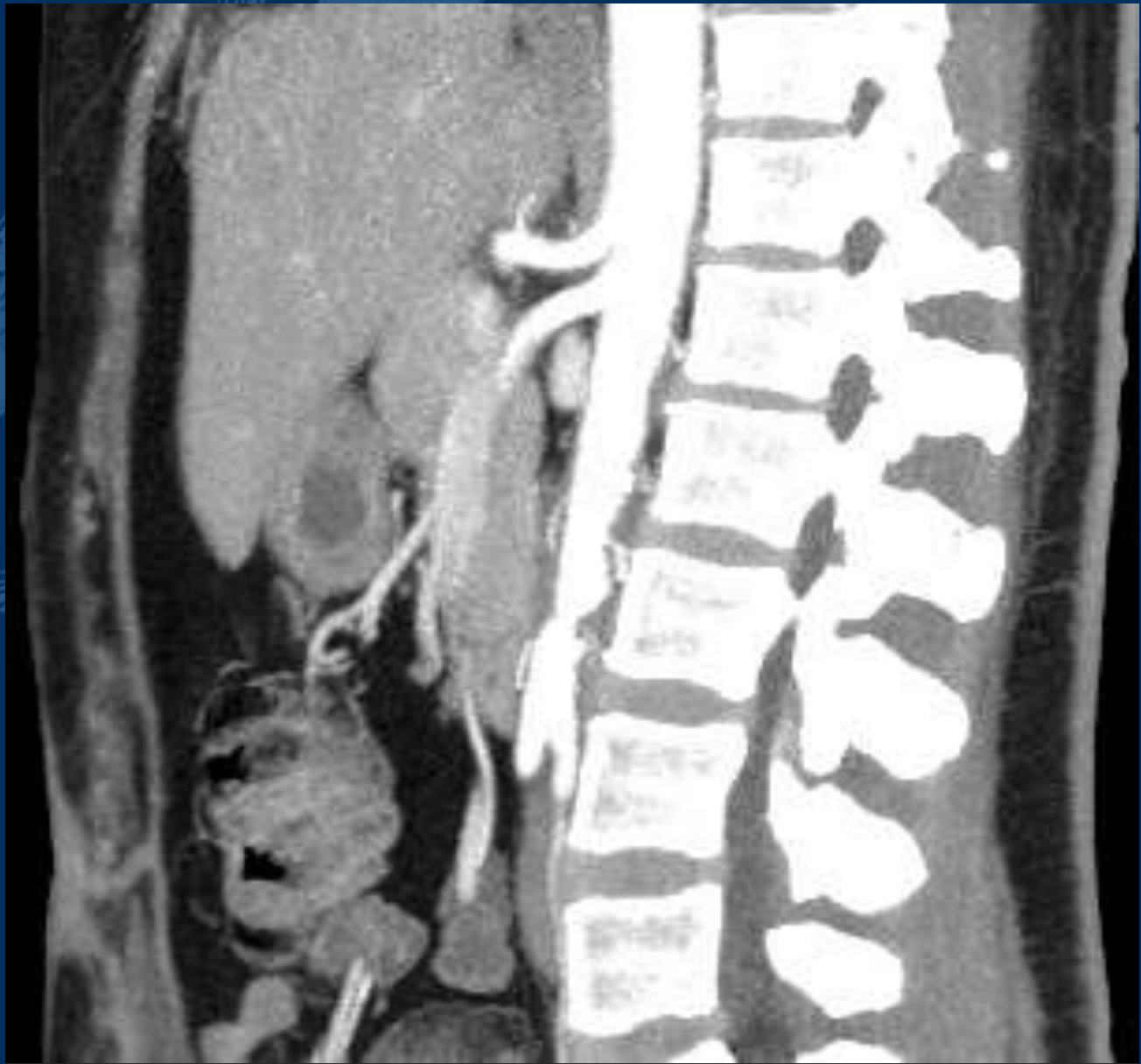
- severe arterial hypertension (MI,HF,CVS)
- severe renovascular hypertension
- absent femoral pulses
- abdominal bruit
- claudication of the lower limbs.

case

- 45 y female patient
- Agonizing rest pain
- Cyanotic changes
- Mild cold periphery
- Multiple sclerosis
- No femoral pulses

CT Angiography









procedure







Conclusion

- Infrarenal mid-aortic syndrome is a rare condition
- This syndrome can be presented with distal ischemic symptoms and our case presented in late middle aged
- However, the lack of evidence about the best approach of treatment of mid-aortic syndrome
- But, we found endovascular stenting could be considered as a safe and alternative option compared to the open surgery.

THANK YOU



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