Title

Huge Infrarenal Abdominal Aortic Aneurysm in a 10-Year-Old Boy

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Body Text

Abdominal aortic aneurysms a well defined entity in adults, is rare in pediatric age group. Most of the aneurysms in pediatric patients have associated conditions like Tuberous sclerosis, vasculitis, trauma, mycotic infections and connective tissue disorders\textsuperscript{1}. We present a ten year old boy who presented to us with a painless progressively increasing lump on the left side of the abdomen. There was a palpable thrill on examination. Hypertension and connective tissue disorders were ruled out at initial evaluation. He had no other associated illness

   Colour Doppler study showed a huge thick walled infrarenal aortic aneurysm with a classical Yin-Yang\textsuperscript{2} Sign (figure1) suggestive of turbulent flow within a partially thrombosed aneurysm. Magnetic resonance angiography showed the aneurysm replacing whole of the abdominal aorta from infrarenal region up to the level of aortic bifurcation (figure2). Intraluminal thrombus was also noted. Perioperatively these findings were confirmed (figure3). The aorta was repaired with a Dacron graft (figure 4). Patient recovered well and has completed 1 year of follow up.
Figures & Legends

Figure 1

Colour Doppler showing the classical Yin-Yang Sign

Figure 2

Magnetic Resonance angiography image showing the huge aneurysm with its relation to major abdominal aortic branches.

Figure 3

Per operative appearance of the huge aneurysm with inset showing the preoperative external appearance.

Figure 4

Final repair with the synthetic Dacron graft.
References
