involves the endovascular approach. However, the indication for long-term antibiotic therapy remains a subject of controversy. The use of these endovascular techniques has enabled surgeons to achieve a success rate of over 90%, with excellent medium-term results, considerably reducing the rates of morbidity and mortality associated with conventional surgery (from 15-41% to 6.6%).

In short, endovascular treatment is a safe therapeutic alternative for the repair of an ABF, although long-term follow-up is necessary.

Without treatment, this condition is associated with a mortality rate of 100% and, thus, clinical suspicion is essential for immediate action to be undertaken. In our case, the time elapsed between surgery and the development of the ABF was 27 years, making this the case with the latest onset reported in the literature.

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REFERENCES


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Chiari’s Network and Paroxysmal Atrial Fibrillation

Red de Chiari y fibrilación auricular paroxística

To the Editor,

An 11-year-old boy was admitted to the Emergency Room referring sudden episodes of palpitations followed by syncope; he has no past medical history. Blood tests including thyroid function were normal. Electrocardiogram (ECG) showed an atrial fibrillation with ventricular response at 180 bpm. No structural or functional pathology was established, and different antiarrhythmic drug strategies were tried, but episodes continued to occur. Echo scan (Fig. 1) showed a strongly developed Chiari’s network on his right atrium, with no atrial septal defect. Because of its size, we observed a continuous violent flicking against lateral wall of the atrium. No abnormality other than the presence of Chiari’s network could explain these episodes despite an exhaustive electrophysiology study, which induced no arrhythmias.

After various antiarrhythmia treatments had no effect, he underwent surgical excision of Chiari’s network (Fig. 2) through a simple thoracotomy, with no surgical complications. To our knowledge, this is the first description of paroxysmal atrial fibrillation triggered by Chiari’s network. It has been reported to appear in up to 4% of autopsy studies, and is frequently...
associated with patent foramen ovale but is believed to be of little clinical consequence. Nevertheless, recent studies suggest some clinical role in some cases of thrombosis, causing embolic events.

The surgical excision has been effective to date. No recurrence of arrhythmia or syncope has been detected after 4 years of follow-up and Holter ECG, the boy’s development has been completely normal and he regularly engages in intense physical exercise.

Figure 1. 2D-echocardiogram image showing Chiari’s network in right atrium moving towards tricuspid valve.

Figure 2. Surgical sample of a highly developed Chiari’s network removed from right atrium.

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REFERENCES


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