We present a case involving a rare form of cyanotic congenital heart disease in a 2-month-old neonate. The initial diagnosis was thought to be tricuspid dysplasia with right-to-left shunting through an interatrial communication. However, surgery showed the presence of a pedunculated mass that prolapsed into the tricuspid valve orifice, thereby causing severe obstruction to right ventricular filling. This mass was attached to the lower part of the atrial septum. Pathological examination showed fibrotic myxoid tissue. After the mass was resected surgically, the tricuspid valve appeared normal. We comment on the pathogenesis and the differential diagnosis of this rare entity.

Key words: Congenital heart disease. Tricuspid dysplasia. Cor triatriatum dexter.
García López JC, et al. Unusual Cyanosing Heart Defect Due to Supravalvular Tricuspid Obstruction in an Infant

(Figure 2) showed a double image: one small image adjacent to the tricuspid valve with smooth walls that initially went unnoticed, and another, more distant and larger that presented the classic trabeculation of the right ventricle, with tricuspid competence.

Surprisingly, an accessory “pocket-like” tissue with an inlet hole, joined on one side to the tricuspid ring was observed during surgery (Figure 3). The histological study was consistent with fibromyxoid tissue.

DISCUSSION

The clinical presentation suggested a diagnosis of cyanotic heart disease, initially characterized as tricuspid dysplasia. Based on the surgical findings, the apparent diagnosis was vestigial remnant of the right valve of the embryonic venous sinus,\(^1\) an entity frequently found in conventional imaging tests (30% of the unselected population).\(^2\) The mildest form usually consists of a simple structure (eustachian or thebesian valve, terminal crest) or lacelike structure (Chiari’s net). In contrast, if the size is large enough to compartmentalize the right atrium, the most serious form is cor triatriatum dexter, an entity classified according to its distribution in the right atrium.\(^1\) The clinical symptoms are defined by obstruction (if any) and the associated congenital abnormalities, with hypoplasia of the right ventricle the most frequent.\(^2,3\)

Between these 2 anatomical variants there is a broad spectrum, depending on the moment at which the venous sinus development was altered.\(^4,5\)

Infections in this area,\(^6\) atrial arrhythmias, paradoxical strokes, and stunted growth due to enteropathy have been described as complications.

In our patient we also ruled out a coronary sinus of atypical distribution (TTE/recirculation).

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Figure 1. Apical echocardiographic views (diastole [c] systole [a,b]) and inverted subcostal [d]) showing an apparently dysplastic tricuspid valve.

Figure 2. Right ventriculography in left oblique view. Fortuitous injection of contrast material (a) in small cavity (+), which could be mistaken for a hypoplastic false right ventricle, corresponded to the vestigial cavity. When injected through the tricuspid valve (b), the morphologically normal true right ventricle is defined (††).
Papillary fibroelastoma is one of the tumors with similar symptoms. However, unlike the condition in adults, in the pediatric age group it tends to affect the tricuspid valve. The tumor is usually suspected when the typical echocardiographic image is observed.

**CONCLUSION**

We have presented an unusual form of cyanotic heart disease in an infant, an entity that should be included in the screening for any right atrium structural abnormality.

**REFERENCES**