Treatment of left main coronary atresia and associated cardiac defects

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A 7-year-old boy with ventricular septal defect and coarctation of aorta presented syncope. Catheterization revealed atresia of left main coronary and circumflex arising from the right coronary artery (Fig. 1). Correction included myocardial revascularization plus coarctation and ventricular-septal-defect repair. Concomitant correction of this rare anomaly is reported.

Figure 1: Preoperatory cardiac angiography showing: coarctation of aorta (COA), circumflex artery (CX) arising from right coronary artery (RC), left anterior descending artery (LAD), conus branch (CB) and anastomotic vessels (AV) between RC and LAD.