

tremely anæmic, poorly nourished and feeble. The cardiac impulse raised the whole side of the chest, extending for five inches from the third to the seventh ribs. The apex was recognizable at the seventh rib, four and a quarter inches from the mid-sternal line. There was a roughish systolic murmur at the apex heard all over the anterior aspect of the chest and back. At the back it could be heard as low as the line joining the crests of the ilia. At the fifth space there was a rough presystolic murmur not transmitted. Presystolic thrill plainly felt at the level of the fourth rib.

On opening the chest the heart was found to extend 5.5 cm. to right of median line and 10 cm. (four inches) to the left. The apex in the sixth interspace. The right auricle was greatly distended. The anterior aspect of the ventricular region was formed about equally of right and left hearts. Left auricle fairly flaccid, but had evidently undergone so much previous distention that the auriculo-ventricular groove was almost eradicated and the walls almost parchment-like and fibroid rather than muscular, the appendix appearing not so much as a prolongation, but as a diverticulum off at right angles to the auricular cavity. With this the mitral orifice was found much larger than normal. In the adult this orifice should admit roughly three fingers; here in a boy of sixteen it admitted five, and was 11.75 cm. in circumference at the narrowest part. The valve flaps were moderately sclerosed with very slight roughening and vegetation. The chordæ tendineæ were thickened, the papillary muscles large and fibroid at their apices. The left ventricle presented extreme dilatation. The aortic cups showed small wreaths of old vegetations below the line of apposition. They were, however, quite competent. Thus this case differed from those of Dr. Austin Flint. (*Lancet*, Jan. 27th, 1883.) The right heart presented no great abnormality. Contrary to what was the case in the previous heart, here the tricuspid orifice was above the normal capacity.