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SIGNIFICANCE OF RI UPTAKE RATIO OF BOTH VENTRICLES IN Tl-201 MYOCARDIAL SCINTIGRAPHY; RELATION TO CARDIAC CATHETERIZATION DATA. H.Naito, T.Nishimura, T. Uehara, K.Hayashida, T.Kozuka, T.Kohata, T.Kamiya National Cardiovascular Center, Department of Radiology and Pediatrics Osaka.

RV wall appearance in Tl-201 myocardial image with relation to RV overload was quantitatively evaluated by using the following parameters; ratio of total counts of RV ROI to LV ROI (uptake ratio, UR) and ratio of average counts of RV wall to LV wall (density ratio, DR).

Totally 69 cases of normal cardiac function, MS, ASD, TOF, VSD, and PDA, respectively were examined.

As a result, UR and DR, especially UR, was well correlated with RV overload estimated by cardiac catheterization, and cases of MS with TR and of L-R shunt with high pulmonary vascular resistance showed markedly great UR. UR was thought to be a good parameter indicating RV overload.

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