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An Alternative Method to the Volume Estimation of Cavities with Irregular Surface in the Cadaver: Measuring Right Cardiac Ventricle of the Fetus by Using Mercury

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**Abstract:** To find the volume of irregular cavities in cadavers, many researchers have used different methods including filling with any fluid and calculating the volume by using complex geometrical formulas. All of these have some difficulties and disadvantages. In this paper, filling cavities with mercury is presented as an alternative method for volume estimation of the cavities. The volumes of 22 right cardiac ventricles were found by using mercury in 27-34 week-old fetuses. The method was proposed as an easy and sensitive method for volume estimation and comparison of the cavities in the cadaver.

**Key Words:** right cardiac ventricle, mercury, volume estimation, fetus

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