

Conference Abstract

DAY 2 16th September 2023 (Saturday)

POSTER

11.00 am-12.00 pm

Scientific Session 1

Caval variants - Imaging spectrum in Superior and Inferior Venacava**Shyamala B Y, Nishaa.P , Padmalatha.K**

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Background: Development of IVC (Inferior Vena Cava) is a complex sequential process occurring during the 4th to 8th week of gestation. It involves development, regression, anastomosis and replacement of three pairs of venous channels - the posterior cardinal vein, the subcardinal vein, and the supracardinal vein. The aberrant development of these venous systems, for unknown reasons, causes anomalies of the vena caval system. Development of SVC (Superior Vena Cava) is characterized by formation of anastomosis between right and left side, so that blood from left side can be shunted to right. Many studies have found the variation in the IVC, some are incidental whereas some presented with pulmonary emboli, pain, and venous thrombosis. Knowledge of its variations are important to prevent catastrophic bleeding during surgery.

Aim: To summarize imaging findings of some frequent and infrequent superior and inferior vena cava anomalies found in three cases.

Methodology: The Computerized Tomography findings showing variations in caval system noted during routine radiographic procedures in three cases were considered and discussed

Results: Imaging spectrum showed the presence of double IVC, persistent left IVC instead of right and IVC continues into azygos vein. The details and its embryological and clinical significance will be discussed during presentation.

Conclusion: It is extremely important for surgeons to be aware of the variations of the IVC in order to avoid fatal consequences

Key words: Double inferior vena cava, Azygos continuation, Left inferior vena cava, Caval variations.