Variations of The Coronary Arteries in The Population of Sohag Governorate

Mohamed El-Badry Mohamed1, Ahmed Mohamed Aly2, Mohamed Abdel-Rahman Mahmoud3 and Heba Atef Abdel-Rahman3
1Department of Human Anatomy and Embryology, Faculty of Medicine, Assiut University; 2Department of Internal medicine, Faculty of Medicine, Sohag University, 3Department of Human Anatomy and Embryology, Faculty of Medicine, Sohag University

Abstract:

Background: The coronary arteries differ greatly in their number, origin and its course. According to that the dominance of the coronaries were found to be either right dominance in case of the posterior interventricular artery arising from right coronary artery, Whereas left dominance if the posterior interventricular artery comes from the left coronary artery. Co-dominance occurs when both the right coronary artery and the left circumflex artery gives a posterior interventricular artery. Many other variations are widely studied and their importance varies greatly according to their clinical consequences especially when they become manifested. Also, a well-known study of each case differs greatly in the decisions taken by cardiologists before any invasive procedure. The aim of this research is to study some variations of the coronary arteries and some other anatomic variants in the population of Sohag governorate. Variations in coronary arteries may be due to: sex, age, conducting system of the heart, gene, race, geography, climate, nutrition.

Keywords:

Coronary arteries; Dominance; Variations; Congenital anomalies; Coronary angiography

Published In:

Sohag Medical Journal , Article1, Volume 24, Issue 2, Spring 2020, Page 1-7 , Pages1-7