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**Incidence and predictors of radial artery spasm during left Heart catheterization**

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**Objective:** To determine the incidence of radial artery spasm and various predictors leading to radial artery spasm during coronary angiography/angioplasty in Armed Forces Institute of Cardiology/National Institute of Heart Diseases Rawalpindi. Study Design: Cross sectional study. Place and Duration of

**Study:** Department of Interventional Cardiology, Armed Forces Institute of Cardiology & National Institute of Heart Diseases Rawalpindi, from Aug to Nov 2020. Methodology: This study enrolled 272 patients who were to undergo the procedure of coronary angiography/percutaneous coronary intervention either already admitted or came for out-patient procedure. Coronary angiography/percutaneous coronary intervention was done via trans radial approach and the study participants were observed for development of radial artery spasm. The patients were managed according to the department protocol.

**Results:** The frequency of radial artery spasm was 30 (11%). No statistically significant association was found between radial artery spasm and various predictors such as age, hypertension and diabetes mellitus ( $p>0.05$ ), except female gender ( $p<0.05$ )

**Conclusion:** Radial artery spasm is a common complication of trans radial approach for coronary angiography/percutaneous coronary intervention particularly in females undergoing the procedure.

**References**

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**Biography**

Muhammad Waqas Mazhar is currently working at Armed Forces Institute of Cardiology, Pakistan, He also got published many articles in the international journals and attended many conferences.

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