

# Transradial cardiac interventions in Yemeni patients , A local Experience from Hadhramout

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## ABSTRACT

### INTRODUCTION

Accessing the coronary arteries from the upper limbs is not a recent concept. The first cardiac angiography was performed utilizing the brachial vein in 1929.

Although the first transradial coronary stenting was 1993. Nowadays this route is gaining popularity in the field of interventional cardiology.

Coronary Catheterization in Yemen is performed mostly via transfemoral approach. Nabdh Al-hayat cardiac centre located in Hadhramout , Yemen was the first cardiac charity centre in the country and mostly using the transradial approach (TR) for percutaneous coronary intervention (PCI)

### METHODS

Assess the cases done during period between half of April

2018 till end of November 2017 referred for cardiac catheterization

### RESULTS:

A total of 1270 cardiac catheterization cases were done , 932 of them was diagnostic procedure and 338 was PCI . A some of 1149 done via TR (90.5%) and 121 cases done via femoral approach (9.5%). 851 cases done via radial approach were diagnostic cardiac catheterization and 289 cases was coronary intervention as shown in tables below. Mean age were 57.9 Years (SD ±11.1086) , Males were predominant (78.4% ) while patient aged 50 years and younger represents 27.2% of all the cases while patients aged 70 years and older were 12.6% .

### Hematomas

Month	Total cases	Diagnostic	Coronary interventional
4/2017	72	68	4
5/2017	141	118	23
6/2017	92	55	37
7/2017	230	180	50
8/2017	162	120	42
9/2017	166	110	56
10/2017	207	149	58
11/2017	200	132	68
TOTAL	1270	932	338

Month	Total cases	Radial approach	Femoral approach
4/2017	72	68 (94.4%)	4 (5.6%)
5/2017	141	134 (95%)	7 (5%)
6/2017	92	83 (90.2%)	9 (9.8%)
7/2017	230	220 (95.6%)	10 (4.4%)
8/2017	162	151 (93.2%)	11 (6.8%)
9/2017	166	141(84.9%)	25 (15.1%)
10/2017	207	179 (86.5%)	28 (13.5%)
11/2017	200	173 (86.5%)	27 (13.5%)
TOTAL	1270	1149(90.5%)	121(9.5%)

### KEYWORDS

Transradial, hadramout, nabdh al hayat