|  |  |
| --- | --- |
| **PT’S NAME-** | **SCAN NO:** |
| **AGE/SEX- Y/** | **DATE-** |
| **UNIT/WD-** | **MRD-** |

**CT CORONARY ANGIOGRAM**

**Clinical profile :**

**High resolution ECG synchronized multi slice computed tomography angiography of coronary arteries was performed following intravenous injection of non ionic contrast.Calcium scoring was performed .**

**Calcium score:**

Coronary calcification was analysed.The threshold was kept at 130HU.These are the results of the test.

|  |  |  |
| --- | --- | --- |
| **ARTERY** | **NUMBER OF LESION** | **CALCIUM SCORE** |
| **LM** | **0** | **0** |
| **LAD** | **0** | **0** |
| **LCX** | **0** | **0** |
| **RCA** | **0** | **0** |
| **TOTAL** | **0** | **0** |

**Coronary artery calcium score=0**

**REFERENCE NORMS FOR CALCIUM SCORE**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NO IDENTIFIABLE CALCIFICATION** | **MINIMAL IDENTIFIABLE CALCIFICATION** | **MILD CALCIFICATION** | **MODERATE CALCIFICATION** | **SIGNIFICANT CALCIFICATION** |
| **0** | **1-10** | **11-100** | **101-400** | **401&ABOVE** |

The risk of coronary event is significantly higher when patient is in a higher percentile group for his age and sex and more so when he is above 75th percentile.

**Following are observations of coronary angiogram.**

**Dominance:** Right

**Left main coronary artery:**

The vessel is well opacified and appears normal in couse and calibre.

**Left anterior descending artery:**

The vessel is well opacified and appears normal in couse and calibre.

**Diagonals:**

D1 is well opacified.There is severe narrowing at the origin of D1.D2 and D3 are well opacified and appear normal.

**Circumflex Artery:**

The CX and OM are well opacified appears normal in course and calibre.No calcification is noted.

**Right coronary artery**

RCA is well opacified.shows normal lumen.No calcification is noted.

PDA is seen arising from RCA and shows normal opacification.

**Collateral Findings**

* Ejection fraction is normal(-----%)
* Stroke volume is normal(----ml)
* No wall motion abnormality is noted

The visualised lung parenchyma and mediastinal vascular structures are normal.

**Conclusion:**

* The coronary calcium score is 0
* Normal coronary angiogram.

**(**Footnote: This is essentially a screening tool for coronary arteries .Most of the international studies give 99% negative predictive value for the test.This means that when the study is normal,there is no likelihood of coronary artery disease.The imaging modality is heart rate dependent,Therefore high heart rate can give motion artifact.Occasional ventricular premature beats can also cause in assessable segment.The above findings need complete corelation with clinical findings and other investigations and if need be a catheter angiogram for its confirmation and further evaluation.Heavy calcification makes underlying lumen in assessable and possibility of underlying lumen being stenotic cannot be excluded. Instant stenosis cannot be excluded in distal and small stents(less than 3 mm in diameter).)