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Form 4: Coronary Evaluation

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Not Started

1 **Date of Coronary Evaluation**

Question Added: 01 JAN 1993
ANGDATE

Coronary Evaluation

2 **Indication for Coronary Evaluation**

Check only one.

If the evaluation is not an angiogram, select the first option. The other options are associated with the indications for current angiogram.

- Angio NOT DONE: Non-invasive test performed
- Followup from PTCA / Revascularization (to check patency)
- Follow up of a previous abnormal angiogram (select if being performed at a time other than the annual assessment)
- Non-invasive test prior to this coronary angiogram indicated coronary disease
- Objective evidence of graft dysfunction/CAD
- Research Protocol
- Routine, per established protocol (i.e. yearly evaluation)
- Symptoms (suggesting CHF, angina equivalent, or an unclear reason for graft dysfunction)
- Unknown
- Other, specify

ANGINDSP

Question Added: 01 JAN 1993
ANGIND

2a **Angio NOT DONE: Non-invasive test performed**

- Cardiac CT
- Dobutamine Stress Echo
- Exercise Stress Echo
- Exercise Test
- MRI
- Radionuclide Angiogram (MUGA)
- Resting Echo
- Stress Perfusion
- Unknown
- Other, specify

NOANGNIT

Question Added: 01 JAN 1999
ANGNDIV

2b **Non-invasive test prior to this date indicated coronary disease, specify test**

Check only one.

- Cardiac CT
- Dobutamine Stress Echo
- Exercise Test
- MRI
- Radionuclide Angiogram (MUGA)
- Resting Echo

Stress Perfusion
 Unknown
 Other, specify

NINVSPEC

Question Added: 01 JAN 1993
ANGIONIV

Angiography

3a

Injection sites

Check all that apply.

- Aorta
- Left Ventricle
- Selective Left Coronary
- Selective Right Coronary
- Unknown

- INJAORTA
- INJLV
- INJSCL
- INJSRC
- INJUNK

Question Added: 01 JAN 1993

3b

Method of Interpretation

(Pertains to the angiogram)

Check only one.

- Caliper
- Computer Assisted
- Visual Estimate
- Unknown

Question Added: 01 JAN 1993
METHINT

3c

Pre-angiogram nitroglycerin

- Yes
- No
- Unknown

Question Added: 01 JAN 2005
ANGNITRO

Angiography Results

4

Angiography Results

- Abnormal
- Normal
- Unknown

Question Added: 01 JAN 1993
CANORMAL

4a

| | L Main | LAD | LCx | RCA | PDA | |
|--------------------------------|----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|---|
| Normal | <input type="checkbox"/> NORLMA | <input type="checkbox"/> NORLAD | <input type="checkbox"/> NORLCX | <input type="checkbox"/> NORRCA | <input type="checkbox"/> NORPDA | L Main = Left Main Coronary Artery LAD = Left Anterior Descending LCx = Left Circumflex Coronary Artery PDA = Posterior Descending |
| Not Visualized | <input type="checkbox"/> _LM_NV | <input type="checkbox"/> _LAD_NV | <input type="checkbox"/> _LCX_NV | <input type="checkbox"/> _RCA_NV | <input type="checkbox"/> _PDA_NV | |
| Unknown | <input type="checkbox"/> _LM_UN | <input type="checkbox"/> _LAD_UN | <input type="checkbox"/> _LCX_UN | <input type="checkbox"/> _RCA_UN | <input type="checkbox"/> _PDA_UN | |
| Absent (congenital) | <input type="checkbox"/> _LM_ABS | <input type="checkbox"/> _LAD_ABS | <input type="checkbox"/> _LCX_ABS | <input type="checkbox"/> _RCA_ABS | <input type="checkbox"/> _PDA_ABS | |
| Mild Stenosis (0% to 50%) | <input type="checkbox"/> _LM_MLD | <input type="checkbox"/> _LAD_MLD | <input type="checkbox"/> _LCX_MLD | <input type="checkbox"/> _RCA_MLD | <input type="checkbox"/> _PDA_MLD | |
| Moderate Stenosis (51% to 70%) | <input type="checkbox"/> _LM_MOD | <input type="checkbox"/> _LAD_MOD | <input type="checkbox"/> _LCX_MOD | <input type="checkbox"/> _RCA_MOD | <input type="checkbox"/> _PDA_MOD | |
| Severe Stenosis (71% to 100%) | <input type="checkbox"/> _LM_SEV | <input type="checkbox"/> _LAD_SEV | <input type="checkbox"/> _LCX_SEV | <input type="checkbox"/> _RCA_SEV | <input type="checkbox"/> _PDA_SEV | |
| Ectasia | <input type="checkbox"/> _LM_ECT | <input type="checkbox"/> _LAD_ECT | <input type="checkbox"/> _LCX_ECT | <input type="checkbox"/> _RCA_ECT | <input type="checkbox"/> _PDA_ECT | |
| Severe Distal Pruning | <input type="checkbox"/> _LM_PRN | <input type="checkbox"/> _LAD_PRN | <input type="checkbox"/> _LCX_PRN | <input type="checkbox"/> _RCA_PRN | <input type="checkbox"/> _PDA_PRN | |

Severe Branch Stenosis

LAD_SBS

LCX_SBS

RCA_SBS

01 JAN 1993

01 JAN 1993

01 JAN 1993

01 JAN 1993

01 JAN 1993

4b Are these the same hemodynamics entered into the annual follow-up form? Yes No

Question Added: 01 AUG 2022
HDFOL

4b **RAM** **Range Information**
Right atrial mean mmHg Too Low: < 0
Normal: Between 0 and 40
Question Zone: > 41
Red Flag Zone: > 41

Question Added: 29 JUL 2019

Missing Reason:
 Not Done
 Unknown

RAM

4b **PCW/LV EDP** **Range Information**
Pulmonary capillary wedge mmHg Too Low: < 0
Normal: Between 0 and 60
Question Zone: > 61
Red Flag Zone: > 61

Question Added: 29 JUL 2019

Missing Reason:
 Not Done
 Unknown

PCW

4b **C.I.** **Range Information**
Cardiac Index L/min/m² Too Low: < 0
Normal: Between 0 and 15
Question Zone: > 16
Red Flag Zone: > 16

Question Added: 29 JUL 2019

Missing Reason:
 Not Done
 Unknown

CI

Coronary Flow

Functional assessment of coronary flow performed using catheter-based methods
Abnormal Fractional Flow Reserve (FFR) is defined as < 0.75
Abnormal Coronary Flow Reserve (CFR) is defined as < 2.0 Maximal Flow: Resting Flow

5 Fractional Flow Reserve Performed Yes No Unknown

Question Added: 01 SEPT 2015
ANGFFR

5a **Vessels Studied** LAD FFR4LAD
Check all that apply. LCx FFR4LCX
 Left Main FFR4LM
 RCA FFR4RCA
 Unknown FFR4UNK

Question Added: 01 SEPT 2015

5a.i **FFR Abnormal for Left Anterior Descending (LAD)** Yes No Unknown

Question Added: 01 SEPT 2015
FR4LADAB

5a.ii **FFR Abnormal for Left Circumflex (LCx)** Yes
 No
 Unknown

Question Added: 01 SEPT 2015
FR4LCXAB

5a.iii **FFR Abnormal for Left Main Coronary Artery (L Main)** Yes
 No
 Unknown

Question Added: 01 SEPT 2015
FFR4LMAB

5a.iv **FFR Abnormal for Right Coronary Artery (RCA)** Yes
 No
 Unknown

Question Added: 01 SEPT 2015
FR4RCAAB

6 **Coronary Flow Reserve (CFR) Performed** Yes
 No
 Unknown

Question Added: 01 SEPT 2015
CFRPERF

6a **If CFR Performed, CFR abnormal** Yes
 No
 Unknown
(Abnormal is defined as: ≤ 2.0 Maximal Flow: Resting Flow)

Question Added: 01 SEPT 2015
CFRANRML

Intravascular Ultrasound

7 **Intravascular Ultrasound Performed** Yes
 No
 Unknown

Question Added: 01 JAN 1999
IUPERF

7a **Stanford Score** 0
 1
 2
 3
 4
 Not Done
 Unknown

IUSTSCORE

7b **Vessels Studied**

| | |
|------------------------------------|---------|
| <input type="checkbox"/> LAD | IULAD |
| <input type="checkbox"/> LCx | IULCX |
| <input type="checkbox"/> Left Main | IULMAIN |
| <input type="checkbox"/> RCA | IURCA |
| <input type="checkbox"/> Unknown | IUUNK |

Question Added: 01 JAN 2005

7b.i **If LAD, Maximal Intimal Thickness (MIT)** <0.3 mm >= 0.3mm Unknown

Question Added: 01 SEPT 2015
MITLAD

7b.ii **If LCx, Maximal Intimal Thickness (MIT)** <0.3 mm >= 0.3mm Unknown

Question Added: 01 SEPT 2015
MITLCX

7b.iii **If Left Main, Maximal Intimal Thickness (MIT)** <0.3 mm >= 0.3mm Unknown

Question Added: 01 SEPT 2015
MITLM

7b.iv **If RCA, Maximal Intimal Thickness (MIT)** <0.3 mm >= 0.3mm Unknown

Question Added: 01 SEPT 2015
MITRCA

Left Ventricular Function Evaluation

8 **Left Ventricular Function Evaluation** Yes No Unknown
Nearest to coronary angiogram

Question Added: 01 JAN 1993
LVFE

8a **Date of study**

Missing Reason:
 Not Done
 Unknown

Question Added: 01 JAN 1993
LVFDATE

8b **Method of Interpretation** Contrast ventriculogram Echocardiogram MRI Radionuclide angiogram (MUGA) Unknown

Question Added: 01 JAN 1993
LVFMETH

8c **Left Ventricular Ejection Fraction** **Range Information**
Too Low: < 1
Normal: Between 1 and 100
Question Zone: > 101
Red Flag Zone: > 101

Missing Reason:
 Not Done
 Unknown

Question Added: 01 JAN 1993
LVEF

8d **Echo Shortening Fraction**

Missing Reason:
 Not Done
 Unknown

Question Added: 01 JAN 1996
FRACSHRT

Wall Motion Akinesis

WMAK

8e

- Dyskinesis WMDY
- Hypokinesis WMHY
- Normal WMNORMAL
- Not interpreted for wall motion abnormalities ECHONIWM
- Unknown WMUNK

Question Added: 01 JAN 1993

8e.i

- Akinesis**
- > 1 Segment
 - 1 Segment
 - Diffuse
 - Unknown

Question Added: 01 JAN 1993
WMAKSEGS

8e.ii

- Dyskinesis**
- > 1 Segment
 - 1 Segment
 - Diffuse
 - Unknown

Question Added: 01 JAN 1993
WMDYSEGS

8e.iii

- Hypokinesis**
- > 1 Segment
 - 1 Segment
 - Diffuse
 - Unknown

Question Added: 01 JAN 1993
WMHYSEGS

Dobutamine or Exercise Stress Echo

9

- Was Dobutamine or Exercise Stress Echo performed?**
- Yes
 - No
 - Unknown

Question Added: 01 JAN 1999
DOBEXSND

9a

Date

- Missing Reason:**
- Unknown

Question Added: 01 JAN 1999
DSEDATE

9b

Maximum Dobutamine Dose mcg/kg/min

Question Added: 01 JAN 1999

- Missing Reason:**
- Not Done
 - Unknown

DSEM XDOS

9c

- Baseline**
- Akinesis/dyskinesis BEAKDY
 - Hypokinesis BEHY
 - Normal BENORMAL

Question Added: 01 JAN 1999

9c.ii

- Is there segmental hypokinesis**
- > 1 Segment
 - 1 Segment

and if so, how many segments? Diffuse
 Unknown

Question Added: 01 JAN 1999
BEHYSEGS

9c.i Is there segmental Akinesis/dyskinesis and if so, how many segments? > 1 Segment
 1 Segment
 Diffuse
 less than 1
 Unknown

Question Added: 01 JAN 1999
BEAKDYSG

9d Stress New Akinesis/dyskinesis SEAKDY
 New Hypokinesis SEHY
 Normal SENORMAL
 Unchanged SEUNK

Question Added: 01 JAN 1999

9d.ii If Stress is New Hypokinesis > 1 Segment
 1 Segment
 Diffuse
 Unknown

Question Added: 01 JAN 1999
SEHYSEGS

9d.i If Stress is New Akinesis/dyskinesis > 1 Segment
 1 Segment
 Diffuse
 Unknown

Question Added: 01 JAN 1999
SEAKDYSG

9e Maximum Heart Rate Achieved

Question Added: 01 JAN 1999

Missing Reason:
 Unknown

MXHRATE

9f LV Dilatation with Stress Yes
 No
 Unknown

Question Added: 01 JAN 1999
LVDIAL

