



MALAYSIAN SOCIETY OF CARDIOVASCULAR TECHNOLOGIST

Appendix 3

Training summary of logbook

Following are summary of clinical experience. However, complete lists and details of individual case/ procedures done should be entered into a log book from the beginning of the training, assessed by the supervisor from time to time purposes. The layout of this logbook is provided in

Appendix 4 (ii)

Non Invasive Cardiovascular

| No | General Technical Skills | Number of Studies / Cases | | Total Cases |
|----|-------------------------------------|----------------------------------|---------|-------------|
| | | Observed/Assisted/ Supervised | Perform | |
| 1 | 2D Echocardiogram | | | |
| 2 | Treadmill Stress Test | | | |
| 3 | Ambulatory ECG Monitoring | | | |
| 4 | Electrocardiogram | | | |
| 5 | Transesophageal Echocardiography | | | |
| 6 | DSE/ Stress Echocardiography | | | |

Invasive Cardiovascular

| No | General Technical Skills | Number of Studies / Cases | | Total Cases |
|----|------------------------------------|----------------------------------|---------|-------------|
| | | Observed/Assisted/ Supervised | Perform | |
| 1 | Coronary Angiogram | | | |
| 2 | PCI (Coronary Angioplasty) | | | |
| 3 | Left & Right Heart Catheterization | | | |
| 4 | IABP | | | |
| 5 | Temporary Pacemaker Insertion | | | |



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| | | | | |
|---|------------------|--|--|--|
| 6 | Groin Management | | | |
|---|------------------|--|--|--|

Cardiac Pacing & Electrophysiology

| No | General Technical Skills | Number of Studies / Cases | | Total Cases |
|----|--------------------------|----------------------------------|---------|-------------|
| | | Observed/Assisted/ Supervised | Perform | |
| 1 | TEMPORARY PACEMAKER | | | |
| 2 | PACEMAKER | | | |
| 3 | ICD IMPLANT | | | |
| 4 | INJECTABLE LOOP RECORDER | | | |
| 5 | CRT IMPLANT | | | |
| 6 | PPM CHECK | | | |
| 7 | CRTD CHECK | | | |
| 8 | PULSE GENERATOR CHANGE | | | |
| 9 | CARDIOVERSION | | | |
| 10 | EPS | | | |
| 11 | EPS ABLATION | | | |
| 12 | 3D MAPPING EPS | | | |
| 13 | ICD CHECK | | | |

Applicant Name :

Verified by,
***Head of Department/ PPP

Applicant Signature :

Name:



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Title:

Signature & Stamp:

Appendix 4 (i) Recommended number of cases required during the training.

Non Invasive Cardiovascular

| Type of Procedures | No. of cases | | Type of Procedure | No. of cases | |
|-------------------------------|-----------------------|------------|---|-----------------------|-----------|
| | Observe/ Assisting | Perform | | Observe/ Assisting | Perform |
| 2D Echocardiogram | 5 | 200 | Ambulatory ECG Monitoring (Holter/ Event Recorder/ Loop Recorder | | 20 |
| Transesophageal Echo (TEE) | | 100 | | | |
| Treadmill Stress Test | | 30 | | | |
| DSE/Stress Echo | | | | | |

Invasive Cardiovascular

| Type of Procedures | No. of cases | | Type of Procedure | No. of cases | |
|---------------------------------------|-----------------------|------------|-------------------------------------|-----------------------|-----------|
| | Observe/ Assisting | Perform | | Observe/ Assisting | Perform |
| Coronary Angiogram | | 150 | IABP | | 10 |
| PCI (Coronary Angioplasty) | | 60 | Temporary Pacemaker Insertion | | 5 |
| Left & Right Heart Catheterization | | 15 | Groin Management | | 10 |



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Cardiac Pacing and Electrophysiology

| TYPE OF PROCEDURE | NO OF CASES | | | TYPE OF PROCEDURE | NO OF CASES | | |
|--------------------------|-----------------------|---------|-------|------------------------|-----------------------|---------------|-------|
| | Observe/ Assisting | Perform | TOTAL | | Observe/ Assisting | Perform | TOTAL |
| TEMPORARY PACEMAKER | | 15 | | PULSE GENERATOR CHANGE | | 5 | |
| PACEMAKER | | 20 | | CARDIOVERSION | | 5 | |
| ICD IMPLANT | | 10 | | EPS | | 25 | |
| INJECTABLE LOOP RECORDER | | 15 | | EPS ABLATION | | 10 | |
| CRT IMPLANT | | 10 | | 3D MAPPING EPS | | 3 OPTIONAL | |
| PPM CHECK | | 20 | | ICD CHECK | | 10 | |
| CRTD CHECK | | 10 | | | | | |



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Appendix 4 (ii) Sample of Log Book Layout

| No. | Patient's Name/ Sticker | Date | Diagnosis | Name of Procedure/ Investigation | | | Supervisor's Name | Signature ** |
|-----|-------------------------------------|------------|-----------|----------------------------------|-----------|-----------|-------------------|--------------|
| | | | | Performing | Assisting | Observing | | |
| 1 | e.g. MOHD BIN ALI MRN: 123456 | 01/01/2001 | IHD | ECHOCARDIOGRAPHY | | | | |
| | | | | √ | | | | |
| 2 | | | | | | | | |
| | | | | Performing | Assisting | Observing | | |
| 3 | | | | | | | | |
| | | | | Performing | Assisting | Observing | | |
| 4 | | | | | | | | |
| | | | | Performing | Assisting | Observing | | |
| 5 | | | | | | | | |
| | | | | Performing | Assisting | Observing | | |
| 6 | | | | | | | | |
| | | | | Performing | Assisting | Observing | | |
| 7 | | | | | | | | |
| | | | | Performing | Assisting | Observing | | |

** For those who are performing, signature column should be signed by the performer



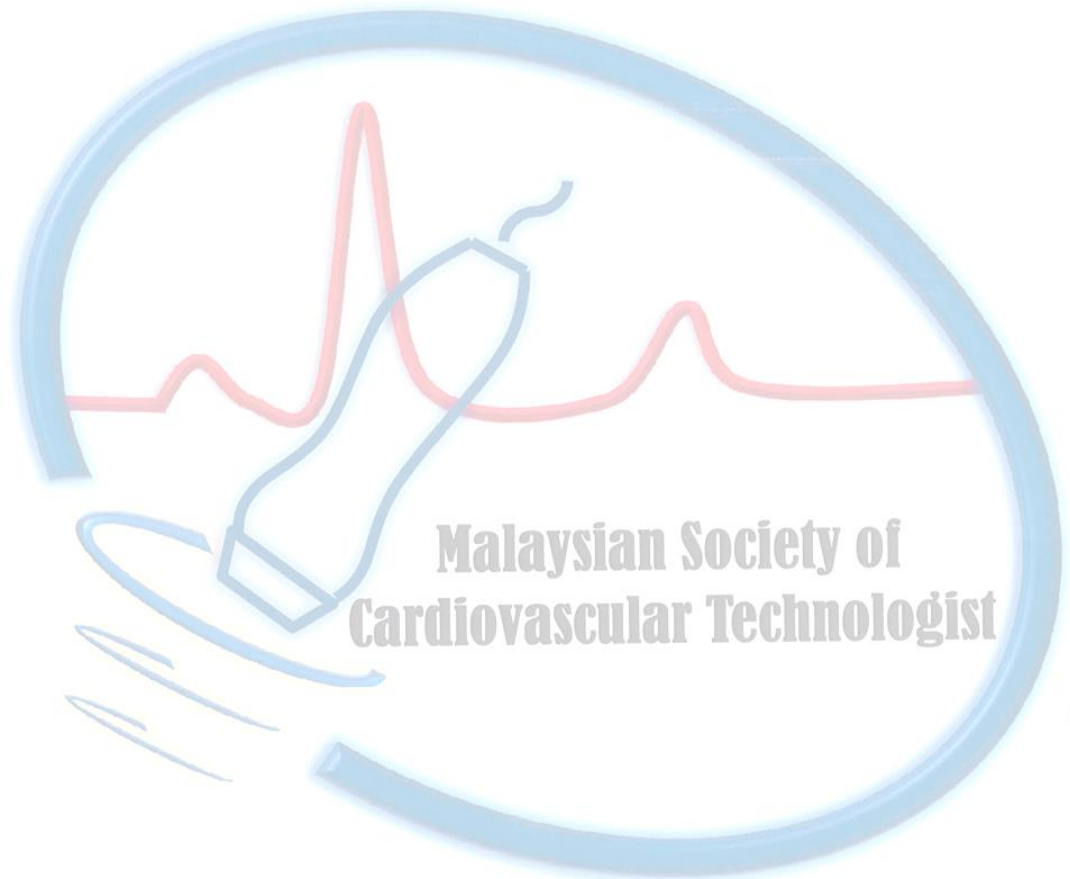
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INVASIVE LOG BOOK

| No. | Patient's Name/ Sticker | Date | Diagnosis | Name of Procedure/ Investigation | | | Supervisor's Name | Signature |
|-----|-------------------------|------|-----------|----------------------------------|------------------|------------------|-------------------|-----------|
| | | | | <i>Performing</i> | <i>Assisting</i> | <i>Observing</i> | | |
| 1 | | | | | | | | |
| | | | | <i>Performing</i> | <i>Assisting</i> | <i>Observing</i> | | |
| 2 | | | | | | | | |
| | | | | <i>Performing</i> | <i>Assisting</i> | <i>Observing</i> | | |
| 3 | | | | | | | | |
| | | | | <i>Performing</i> | <i>Assisting</i> | <i>Observing</i> | | |
| 4 | | | | | | | | |
| | | | | <i>Performing</i> | <i>Assisting</i> | <i>Observing</i> | | |
| 5 | | | | | | | | |
| | | | | <i>Performing</i> | <i>Assisting</i> | <i>Observing</i> | | |
| 6 | | | | | | | | |
| | | | | <i>Performing</i> | <i>Assisting</i> | <i>Observing</i> | | |
| 7 | | | | | | | | |
| | | | | <i>Performing</i> | <i>Assisting</i> | <i>Observing</i> | | |



MALAYSIAN SOCIETY OF CARDIOVASCULAR TECHNOLOGIST



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