

CERTIFICATION

(DEVICES)

PRACTICAL LOGBOOK 2023

Candidate Name:

Examination Registration No.:

INTRODUCTION TO LOGBOOK AND INSTRUCTIONS FOR USE

This logbook supersedes any previous versions and must be used if you have registered to sit the BHRS certification exam in 2020 or after.

The logbook forms part of the requirements for British Heart Rhythm Society certification. It is specifically aimed at practitioners with a particular interest in cardiac device implantation and management. A separate logbook exists for cardiac electrophysiology.

There is only one logbook covering devices. All sections of the logbook must be completed prospectively and submitted within 18 months of your exam date. Logbooks submitted after this date will not be marked unless prior written authorisation for an extension has been granted. Logbook submission is electronic, please review the guidance on the BHRS website.

You must obtain verification of the information and completion of the assessment sections from your supervisor, who must be experienced in device management and ideally hold BHRS certification (previously Heart Rhythm UK certificate of accreditation) or the IBHRE qualification (pacing and devices) or the EHRA CP/AP qualifications. Medical device company representatives will not be accepted as a supervisor.

How to apply for a log-book extension

Only one extension will be awarded for exceptional circumstances. No extension will be awarded retrospectively.

A request for a log book extension must be put in writing and sent to British Heart Rhythm Society, email <u>admin@bhrs.com</u>

SPECIFIC POINTS

The logbook is divided into 3 sections Section 1: Implanting procedure (as physiologist) Section 2: Follow-up (as physiologist) Section 3: Assessments

For doctors / allied health prof completing the log you need to take on the role as a cardiac physiologist for ALL sections of the logbook.

Summary of Information Required

	Number
Section 1: Implants	
Pacemaker Implants	10
ICD / CRT Implants	10
Section 2: Follow-up	
Pacemakers	20
ICD	10
CRT ± ICD	10
Section 3: Skills Assessment	2

Imp	lant assessments	3
Foll	ow up assessments	4

BHRS CERTIFICATION: CARDIAC DEVICE LOG BOOK

Candidate Details

Name	
Address	
Contact details Telephone and/or email	

Hospitals In Which Work Undertaken

Time Period	Address

Supervisor Details

Name	
Professional title/position	
Address	
Contact details Telephone and/or email	



SECTION 1: DEVICE IMPLANT PROCEDURE (AS PHYSIOLOGIST)

Section 1

10 pacemaker implants - maximum of 3 leadless pacemakers and a maximum of 3 generator replacements (box changes) may be included. 10 ICD/CRT implants are required of which 5 must include CRT-D devices, a maximum of 2 S-ICDs and a maximum of 3 generator replacements (box changes) which can be either ICD / CRTD / S-ICDs. *Note: No programming strips or ECGs are required to be submitted. Note: If your PSA does not record slew rates then you can omit this information from your logbook.*

Specify patient symptoms, ECG abnormality and aetiology in addition to their codes. Copies of 12 lead ECGs are not required for completion of section 1

Anaesthetic:	Local or general. If general, give reason
Vascular access:	Subclavian, cephalic, other
Sutures:	Vicryl, Ethibond, etc. Specify suture material used for sleeves and wound closure
Antibiotic regimen:	Pre and post procedure and peri-procedure (e.g. gentamicin to pocket)



SECTION 1: PACEMAKER IMPLANT (AS PHYSIOLOGIST)

	No. 1	Date: Patient Initials:	Symptom Implant Code:	ECG Implant Code:			Aetiology Implant Code:
		IMPLANT DETAILS	MANUFACTURER AND MODEL	PACING PARAMETERS			Complications up to Discharge:
	Anaesthe	tic:	Generator:		Atrial	Ventricular	
-	Vascular	Access:	-	Pacing Threshold @ 0.5ms (V)			
-	Antibiotic Regimen:		Atrial Lead:	Amplitude (mV)			Follow Up Arrangements:
			Ventricular Lead:	Impedance (Ω)			
	Sutures L	Jsed:		Slew rate (Vs ⁻¹)			Final Pacing Mode:

No. 2	Date: Patient Initials:	Symptom Implant Code:	ECG Implant Code:			Aetiology Implant Code:
IMPLANT DETAILS		MANUFACTURER AND MODEL	PACING PARAMETERS		<u>RS</u>	Complications up to Discharge:
Anaesthe	etic:	Generator:		Atrial	Ventricular	
		4	Pacing Threshold			
Vascular	Access:		@ 0.5ms (V)			
Antibioti	o Pogimon	Atrial Lead:	Amplitude (mV)			Follow Up Arrangements:
Antibiotio	c Regimen.					
			Impedance (O)			
		Ventricular Lead:				
Sutures I	Used:		Slew rate (Vs ⁻¹)			Final Pacing Mode:

No. 3	Date: Patient Initials:	Symptom Implant Code:	ECG Implant Code:			Aetiology Implant Code:
IMPLANT DETAILS		MANUFACTURER AND MODEL	PACING P	ARAMETE	RS	Complications up to Discharge:
Anaesthe	etic:	Generator:		Atrial	Ventricular	
Vascular	Access:	-	Pacing Threshold @ 0.5ms (V)			
		Atrial Lead:	Amplitude (mV)			Follow Up Arrangements:
Antibioti	c Regimen:		,			
		Ventricular Lead:	Impedance (Ω)			
Sutures	Used:		Slew rate (Vs ⁻¹)			Final Pacing Mode:



No. 4 Date: No. 4 Patient Initials:		Symptom Implant Code:	ECG Implant Code:			Aetiology Implant Code:
	IMPLANT DETAILS	MANUFACTURER AND MODEL	PACING P	ARAMETE	<u>RS</u>	Complications up to Discharge:
Anaesthe	etic:	Generator:		Atrial	Ventricular	
Vascular	Access:	_	Pacing Threshold @ 0.5ms (V)			
Antibioti	c Regimen:	Atrial Lead:	Amplitude (mV)			Follow Up Arrangements:
		Ventricular Lead:	Impedance (Ω)			
Sutures	Used:		Slew rate (Vs ⁻¹)			Final Pacing Mode:

No. 5	Date: Patient Initials:	Symptom Implant Code:	ECG Implant Code:			Aetiology Implant Code:
	IMPLANT DETAILS	MANUFACTURER AND MODEL	PACING PARAMETERS			Complications up to Discharge:
Anaesthe	etic:	Generator:		Atrial	Ventricular	
Vascular	Access:		Pacing Threshold @ 0.5ms (V)			
Antibiotio	c Regimen:	Atrial Lead:	Amplitude (mV)			Follow Up Arrangements:
		Ventricular Lead:	Impedance (Ω)			
Sutures L	Jsed:		Slew rate (Vs ⁻¹)			Final Pacing Mode:

Date: No. 6 Patient Initials:		Symptom Implant Code:	ECG Implant Code:			Aetiology Implant Code:
	IMPLANT DETAILS	MANUFACTURER AND MODEL	PACING P	PARAMETE	<u>RS</u>	Complications up to Discharge:
Anaesthe	etic:	Generator:		Atrial	Ventricular	
Vascular	Access:	-	Pacing Threshold @ 0.5ms (V)			
Antibiotio	c Regimen:	Atrial Lead:	Amplitude (mV)			Follow Up Arrangements:
		Ventricular Lead:	Impedance (Ω)			
Sutures l	Jsed:		Slew rate (Vs ⁻¹)			Final Pacing Mode:



No. 7	Date: Patient Initials:	Symptom Implant Code:	ECG Implant Code:			Aetiology Implant Code:
	IMPLANT DETAILS	MANUFACTURER AND MODEL	PACING P	ARAMETE	<u>RS</u>	Complications up to Discharge:
Anaesthe	etic:	Generator:		Atrial	Ventricular	
Vascular Access:		_	Pacing Threshold @ 0.5ms (V)			
Antibioti	c Regimen:	Atrial Lead:	Amplitude (mV)			Follow Up Arrangements:
		Ventricular Lead:	Impedance (Ω)			
Sutures Used:			Slew rate (Vs ⁻¹)			Final Pacing Mode:

No. 8	Date: Patient Initials:	Symptom Implant Code:	ECG Implant Code:			Aetiology Implant Code:
	IMPLANT DETAILS	MANUFACTURER AND MODEL	PACING P	ARAMETE	RS	Complications up to Discharge:
Anaesthe	etic:	Generator:		Atrial	Ventricular	
Vascular Access:		-	Pacing Threshold @ 0.5ms (V)			
Antibiotio	c Regimen:	Atrial Lead:	Amplitude (mV)			Follow Up Arrangements:
		Ventricular Lead:	Impedance (Ω)			
Sutures Used:			Slew rate (Vs ⁻¹)			Final Pacing Mode:

No. 9	Date: Patient Initials:	Symptom Implant Code:	ECG Implant Code:			Aetiology Implant Code:
	IMPLANT DETAILS	MANUFACTURER AND MODEL	PACING P	PACING PARAMETERS		Complications up to Discharge:
Anaesthe	etic:	Generator:		Atrial	Ventricular	
Vascular Access:		-	Pacing Threshold @ 0.5ms (V)			
Antibiotio	c Regimen:	Atrial Lead:	Amplitude (mV)			Follow Up Arrangements:
		Ventricular Lead:	Impedance (Ω)			
Sutures Used:			Slew rate (Vs ⁻¹)			Final Pacing Mode:



No. 10		Date: Patient Initials:	Symptom Implant Code:	ECG Implant Code:			Aetiology Implant Code:
		IMPLANT DETAILS	MANUFACTURER AND MODEL	PACING P	ARAMETE	RS	Complications up to Discharge:
	Anaesthe	tic:	Generator:		Atrial	Ventricular	
				Pacing Threshold			
Vascular Access:		Access:		@ 0.5ms (V)			
			Atrial Lead:	Amplitudo (m)/)			Follow Up Arrangements:
	Antibiotio	Regimen:		Amplitude (mv)			
				laure de se (O)			
			Ventricular Lead:	Impedance (Ω)			
Sutures Used:		Jsed:	1				Final Pacing Mode:
				Slew rate (Vs ⁻)			



SECTION 1: ICD/CRT IMPLANT (AS PHYSIOLOGIST)

No. 1	Date: Patient Initials:	Symptom Implant Code:	ECG Implant Code:			Aetiology Implant Code:
	IMPLANT DETAILS	MANUFACTURER AND MODEL		PACING PAI	RAMETERS	Complications up to Discharge:
Anaesthe	tic:	Generator:		Atrial	Ventricular	
Vascular	Access:	-	Pacing Threshold @ 0.5ms (V)			
Antibiotio	: Regimen:	Atrial Lead:	Amplitude (mV)			Follow Up Arrangements:
		RV Lead & LV Lead:	Impedance (Ω)			
Sutures u	ised:		Slew rate (V/sec)			Final Pacing Mode:
Details of Guide ca Vein use	f LV lead placement: theter(s) used: d:	•	·	·		

No. 2	Date: Patient Initials:	Symptom Implant Code:	ECG Implant Code:			Aetiology Implant Code:
	IMPLANT DETAILS	MANUFACTURER AND MODEL		PACING PA	RAMETERS	Complications up to Discharge:
Anaesthe	etic:	Generator:		Atrial	Ventricular	
Vascular	Access:	-	Pacing Threshold @ 0.5ms (V)			
Antibiotio	c Regimen:	Atrial Lead:	Amplitude (mV)			Follow Up Arrangements:
		RV Lead & LV Lead:	Impedance (Ω)			
Sutures u	ısed:		Slew rate (V/sec)			Final Pacing Mode:
Details of Guide ca Vein use	f LV lead placement: theter(s) used: d:	·				·



No. 3	Date: Patient Initials:	Symptom Implant Code:	ECG Implant Code:			Aetiology Implant Code:
	IMPLANT DETAILS	MANUFACTURER AND MODEL		PACING PA	RAMETERS	Complications up to Discharge:
Anaesthe	tic:	Generator:		Atrial	Ventricular	
Vascular	Access:	-	Pacing Threshold @ 0.5ms (V)			
Antibiotio	c Regimen:	Atrial Lead:	Amplitude (mV)			Follow Up Arrangements:
		RV Lead & LV Lead:	Impedance (Ω)			
Sutures u	used:		Slew rate (V/sec)			Final Pacing Mode:
Details of Guide ca Vein use	f LV lead placement: theter(s) used: d:	·	·			·

No. 4	Date: Patient Initials:	Symptom Implant Code:	ECG Implant Code:			Aetiology Implant Code:
	IMPLANT DETAILS	MANUFACTURER AND MODEL		PACING PA	RAMETERS	Complications up to Discharge:
Anaesthe	etic:	Generator:		Atrial	Ventricular	
Vascular	Access:	-	Pacing Threshold @ 0.5ms (V)			
Antibioti	c Regimen:	Atrial Lead:	Amplitude (mV)			Follow Up Arrangements:
		RV Lead & LV Lead:	Impedance (Ω)			
Sutures	used:		Slew rate (V/sec)			Final Pacing Mode:
Details o Guide ca Vein use	f LV lead placement: theter(s) used: d:	•	•			



No. 5	Date: Patient Initials:	Symptom Implant Code:	ECG Implant Code:			Aetiology Implant Code:
	IMPLANT DETAILS	MANUFACTURER AND MODEL		PACING PA	RAMETERS	Complications up to Discharge:
Anaesthe	tic:	Generator:		Atrial	Ventricular	
Vascular	Access:	-	Pacing Threshold @ 0.5ms (V)			
Antibiotio	c Regimen:	Atrial Lead:	Amplitude (mV)			Follow Up Arrangements:
		RV Lead & LV Lead:	Impedance (Ω)			
Sutures u	used:		Slew rate (V/sec)			Final Pacing Mode:
Details of Guide cat Vein used	f LV lead placement: theter(s) used: d:	·	·			·

No. 6	Date: Patient Initials:	Symptom Implant Code:	ECG Implant Code:			Aetiology Implant Code:
	IMPLANT DETAILS	MANUFACTURER AND MODEL		PACING PA	RAMETERS	Complications up to Discharge:
Anaesthe	etic:	Generator:		Atrial	Ventricular	
Vascular	Access:	-	Pacing Threshold @ 0.5ms (V)			
Antibiotio	c Regimen:	Atrial Lead:	Amplitude (mV)			Follow Up Arrangements:
						-
		RV Lead & LV Lead:	Impedance (Ω)			
Sutures (used:		Slew rate (V/sec)			Final Pacing Mode:
Details o Guide ca Vein use	f LV lead placement: theter(s) used: d:	·				



No. 7	Date: Patient Initials:	Symptom Implant Code:	ECG Implant Code:			Aetiology Implant Code:
	IMPLANT DETAILS	MANUFACTURER AND MODEL		PACING PA	RAMETERS	Complications up to Discharge:
Anaesthe	etic:	Generator:		Atrial	Ventricular	
Vascular	Access:	-	Pacing Threshold @ 0.5ms (V)			
Antibiotic	c Regimen:	Atrial Lead:	Amplitude (mV)			Follow Up Arrangements:
		RV Lead & LV Lead:	Impedance (Ω)			
Sutures u	used:		Slew rate (V/sec)			Final Pacing Mode:
Details of Guide cat Vein used	f LV lead placement: theter(s) used: d:	·	·			·

No. 8	Date: Patient Initials:	Symptom Implant Code:	ECG Implant Code:			Aetiology Implant Code:
	IMPLANT DETAILS	MANUFACTURER AND MODEL		PACING PA	RAMETERS	Complications up to Discharge:
Anaesthe	etic:	Generator:		Atrial	Ventricular	
Vascular	Access:	-	Pacing Threshold @ 0.5ms (V)			
Antibioti	c Regimen:	Atrial Lead:	Amplitude (mV)			Follow Up Arrangements:
		RV Lead & LV Lead:	Impedance (Ω)			_
Sutures	used:		Slew rate (V/sec)			Final Pacing Mode:
Details o Guide ca Vein use	f LV lead placement: theter(s) used: d:	·	·			



No. 9	Date: Patient Initials:	Symptom Implant Code:	ECG Implant Code:			Aetiology Implant Code:
	IMPLANT DETAILS	MANUFACTURER AND MODEL		PACING PA	RAMETERS	Complications up to Discharge:
Anaesthe	etic:	Generator:		Atrial	Ventricular	
Vascular	Access:	-	Pacing Threshold @ 0.5ms (V)			
Antibiotio	c Regimen:	Atrial Lead:	Amplitude (mV)			Follow Up Arrangements:
		RV Lead & LV Lead:	Impedance (Ω)			
Sutures u	used:		Slew rate (V/sec)			Final Pacing Mode:
Details of Guide car Vein used	f LV lead placement: theter(s) used: d:	·	·			

No. 10	Date: Patient Initials:	Symptom Implant Code:	ECG Implant Code:			Aetiology Implant Code:
	IMPLANT DETAILS	MANUFACTURER AND MODEL		PACING PA	RAMETERS	Complications up to Discharge:
Anaesthe	etic:	Generator:		Atrial	Ventricular	
Vascular	Access:	-	Pacing Threshold @ 0.5ms (V)			
Antibiotio	c Regimen:	Atrial Lead:	Amplitude (mV)			Follow Up Arrangements:
		RV Lead & LV Lead:	Impedance (Ω)			_
Sutures u	used:		Slew rate (V/sec)			Final Pacing Mode:
Details o Guide ca Vein use	f LV lead placement: theter(s) used: d:	•	·			



SECTION 2: PACEMAKER FOLLOW-UP (AS PHYSIOLOGIST)

No.	Implant Date	FU Date	Patie nt Initial s	Generator (Manufacturer and model)	Amp	litude	Pac Three	cing shold	Impeo	dance	Bat Measu s (if av	tery rement ailable)	Wound Site OK?	Describe any parameters reprogrammed?	Pacing Mode	Supervis or Initials
					Α	v	Α	v	Α	v	Imp	v				
1																
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																



No.	Implant Date	FU Date	Patie nt Initial s	Generator (Manufacturer and model)	Amp	litude	Pao Thre	cing shold	Impe	dance	Bat Measu s (if av	tery rement ailable)	Wound Site OK?	Describe any parameters reprogrammed?	Pacing Mode	Supervis or Initials
					Α	v	Α	v	Α	v	Imp	v				
12																
13																
14																
15																
16																
17																
18																
19																
20																



SECTION 2: ICD FOLLOW-UP (AS PHYSIOLOGIST)

No.	Device	Implant Date	FU Date	Patient Initials	Generator (Manufacturer	A	mplitu	de	Tł	Pacin hresh	g old	Im	npedai	nce	Wound Site	Describe any parameters reprogrammed?	Pacing Mode	Supervisor Initials
					and model)	Α	RV	LV	Α	RV	LV	Α	RV	LV	UK?			
1	ICD																	
2	ICD																	
3	ICD																	
4	ICD																	
5	ICD																	
6	ICD																	
7	ICD																	
8	ICD																	
9	ICD																	
10	ICD																	



SECTION 2: CRT(D/P) FOLLOW-UP (AS PHYSIOLOGIST)

No.	Device	Implant Date	FU Date	Patient Initials	Generator (Manufacturer and	Ar	nplitu	Ide	l Tr	Pacing	g old	Im	pedar	nce	Wound Site OK?	Describe any parameters reprogrammed?	Pacing Mode	Supervisor Initials
					model)	Α	RV	LV	Α	RV	LV	Α	RV	LV				
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		



Assessment:	1 - 3 Unsatisfactory	
(0 not applicable)	7 - 9 Above expected	
SKILL	ASSESSMENT (AS PER KEY)	
PSA Connections		
A and V lead impedance		
R Wave measurement		
Ventricular threshold test		
Explanation of Wedensky effect		
P Wave measurement		
Atrial threshold test		
Stability		
10V		



SECTION 3: ICD IMPLANT MEASUREMENTS – SKILLS ASSESSMENT

	Assessment:	1 - 3 Unsatisfactory	
	(0 not applicable)	7 - 9 Above expected	
	SKILL	ASSESSMENT (AS PER KEY)	
	Kit selection		
	Device set-up pre-implant		
	Implant forms completion		
	P and R wave measurement		
	A and V lead impedance		
	A and V threshold tests		
	Device measurements		
	VF induction		
	Post-implant set-up		
Assessor comments (You	ı must justify each score of 1 – 3 with at least o	one explanation / example):	



SECTION 3: CRT IMPLANT MEASUREMENTS – SKILLS ASSESSMENT

Assessment: 1 -	· 3 Unsatisfactory · 6 Satisfactory	
(0 not applicable) 7 -	• 9 Above expected	
SKILL	ASSESSMENT (AS PER KEY)	
Kit selection		
Coronary vein identification		
PSA connections		
A, RV and LV signal measurement		
A, RV and LV lead impedance		
Atrial threshold test		
RV threshold test		
LV threshold test		
VF induction		
Post-implant set-up		



SECTION 3: DIRECT OBSERVATION OF PROCEDURAL SKILLS (DOPS)

Instructions for assessor(s)

Please mark each component of the exercise on a scale of 1 (extremely poor) to 9 (extremely good). A score of 1 - 3 is considered unsatisfactory, 4 - 6 satisfactory and 7 - 9 is considered above that expected

Please note that your scoring should reflect the performance of the trainee against that which you would reasonably expect at their stage of training and level of experience

You must justify each score of 1 - 3 with at least one explanation/example in the comments box, failure to do so will invalidate the assessment

Please feel free to add any other relevant opinions about the trainee's strengths and weaknesses in the space provided

SKILLS ASSESSMENT (FOR FOLLOW-UP PROCEDURES)

- Single chamber pacemaker
- Dual chamber pacemaker
- ICD
- CRT (P or D)



SECTION 4: SINGLE CHAMBER PACEMAKER FOLLOW UP – SKILLS ASSESSMENT

1. Interacts appropriately with staff in pacing clinic												
N/A	N/A 1 2 3 4 5 6 7 8 9											
	Un	satisfact	ory	S	atisfacto	ry	Abo	ve expe	cted			

2. Pre	2. Prepares patient appropriately												
N/A	1	2	3	4	5	6	7	8	9				
	Un	satisfact	ory	S	atisfacto	ry	Abo	ve expe	cted				

3. Obta	3. Obtains clinical history													
N/A	1	2	3	4	5	6	7	8	9					
	Un	satisfact	ory	S	atisfacto	ry	Abo	ve expe	cted					

4. App	4. Appropriate R/P wave measurement											
N/A	N/A 1 2 3 4 5 6 7 8 9											
	Un	Unsatisfactory Satisfactory Above expected										

5. App	5. Appropriate lead impedance measurement											
N/A	1 2 3 4 5 6 7 8 9											
	Unsatisfactory Satisfactory Above expected											

6. App	ropriate	threshole	d test									
N/A	1	2	3	4	5	6	7	8	9			
	Un	Unsatisfactory Satisfactory Above expected										

7. App	ropriate	retrograd	de condu	uction ch	eck								
N/A	1	2 3 4 5 6 7 8 9											
	Un	Unsatisfactory Satisfactory Above expected											



8. Appr	8. Appropriate diagnostics interpretation											
N/A	N/A 1 2 3 4 5 6 7 8 9											
	Un	Unsatisfactory Satisfactory Above expected										

9. Rep	9. Reprogramming / recommendations											
N/A	N/A 1 2 3 4 5 6 7 8 9											
	Un	satisfact	ory	S	atisfacto	ry	Abo	ve expe	cted			

10. Ov	10. Overall technical ability											
N/A	1	2	3	4	5	6	7	8	9			
	Un	Unsatisfactory Satisfactory Above expected										

Assessors comments on trainee's performance on this occasion:

Trainee's comments on their performance on this occasion:

Signature of trainee:

Signature of supervisor:

Date:



SECTION 3: DUAL CHAMBER PACEMAKER FOLLOW UP - SKILLS ASSESSMENT

1. Interacts appropriately with staff in pacing clinic												
N/A	I/A 1 2 3 4 5 6 7 8 9											
	Unsatisfactory Satisfactory Above expected											

2. Pre	pares pa	tient app	oropriatel	у					
N/A	1	2	3	4	5	6	7	8	9
	Un	satisfact	ory	S	atisfacto	ry	Abo	ve expe	cted

3. Obtains clinical history											
N/A	1	2	3	4	5	6	7	8	9		
	Un	Unsatisfactory Satisfactory Above expected									

4. App	4. Appropriate R/P wave measurement											
N/A	N/A 1 2 3 4 5 6 7 8 9											
	Un	Unsatisfactory Satisfactory Above expected										

5. App	5. Appropriate lead impedance measurement											
N/A	A 1 2 3 4 5 6 7 8 9											
	Un	Unsatisfactory Satisfactory Above expected										

6. App	ropriate	threshole	d test						
N/A	1	2	3	4	5	6	7	8	9
	Un	satisfact	ory	Satisfactory			Above expected		

7. Appropriate retrograde conduction check										
N/A	1	1 2 3 4 5 6 7 8 9								
	Unsatisfactory Satisfactory						Above expected			



8. Appropriate diagnostics interpretation										
N/A	1 2 3 4 5 6 7 8 9									
	Un	satisfact	ory	S	atisfacto	ry	Above expected			

9. Reprogramming / recommendations											
N/A	1 2 3 4 5 6 7 8 9										
	Unsatisfactory			S	atisfacto	ry	Above expected				

10. Overall technical ability											
N/A	1	2	3	4	5	6	7	8	9		
	Un	satisfact	ory	S	atisfacto	ry	Above expected				

Assessors comments on trainee's performance on this occasion:

Trainee's comments on their performance on this occasion:

Signature of trainee:

Signature of supervisor:

Date:



SECTION 3: ICD FOLLOW UP – SKILLS ASSESSMENT

1. Inter	racts app	oropriate	ly with st	taff in pa	cing clin	ic				
N/A	1	2	3	4	5	6	7	8	9	
	Un	satisfact	ory	S	atisfacto	ry	Above expected			
							•			
2. Prep	pares pa	tient app	ropriatel	у						
N/A	1	2	3	4	5	6	7	8	9	
	Un	satisfact	ory	S	atisfacto	ry	Abo	ve expe	cted	
3 Obta	ains clini	cal histo	rv							
N/A	1	2	3	4	5	6	7	8	9	
	Un	 satisfact	orv	S	atisfacto	rv	Abo	ve expe	cted	
	_									
4. Appropriate diagnostics interpretation										
N/A	1	2	3	4	5	6	7	8	9	
	Unsatisfactory			S	atisfacto	ry	Abo	ve expe	cted	
E Ann	roprioto		ia intern	rototion						
5. App						<u> </u>	7	0	0	
N/A	1		3	4	5 S	0	/	8	9	
	UN	salisiaci	ory	3	alisiacio	ry	ADO	ve expe	clea	
6. App	ropriate	R/P wav	e measu	irement						
N/A	1	2	3	4	5	6	7	8	9	
	Un	satisfact	ory	S	atisfacto	ry	Abo	ve expe	cted	
		ll '						-		
7. App	ropriate	iead imp	edance	measure	ement		_		•	
N/A	1	2	3	4	5	6	7	8	9	
	Un	satisfact	ory	S	atisfacto	ry	Abo	ve expe	cted	
adA .8	ropriate	shock lea	ad imped	dance m	easurem	nent				
N/A	1	2	3	4	5	6	7	8	9	
	Un	satisfact	ory	S	atisfacto	ry	Abo	ve expe	cted	



9. Appropriate threshold test											
N/A	1	2	3	4	5	6	7	8	9		
	Unsatisfactory			S	Satisfactory			Above expected			
10. Reprogramming / recommendations											
N/A	1	2	3	4	5	6	7	8	9		
	Unsatisfactory			S	atisfacto	ry	Above expected				
11. Ov	erall tecl	hnical ab	ility								
N/A	1	2	3	4	5	6	7	8	9		
	Unsatisfactory			S	Satisfactory			Above expected			

Assessors comments on trainee's performance on this occasion:

Trainee's comments on their performance on this occasion:

Signature of trainee:

Signature of supervisor:

Date:



SECTION 3: CRT FOLLOW UP – SKILLS ASSESSMENT

1. Inter	racts app	oropriate	ly with st	taff in pa	cing clin	ic					
N/A	1	2	3	4	5	6	7	8	9		
	Un	satisfact	ory	S	atisfacto	ry	Above expected				
2. Prep	pares pa	tient app	ropriatel	у							
N/A	1	2	3	4	5	6	7	8	9		
	Un	satisfact	ory	S	atisfacto	ry	Abo	ve expe	cted		
2 Obt	nina alini	<u>aal hiata</u>	m /								
3. Obla			iy Q		r _				-		
N/A	1	2	3	4	5	6	7 8 9				
	Un	satisfact	ory	S	atisfacto	ry	Abo	ve expe	cted		
4 Ann	ropriate	diagnost	ics interr	retation	1						
<u> //pp</u>	1	2	3	4	5	6	7 8 9				
11/7	l In	satisfact	orv	Satisfactory Above expected					cted		
	011	54151401	Ory	0	011510010	i y	7,60				
5. App	ropriate	arrhvthm	nia interp	retation							
N/A	1	2	3	4	5	6	7	8	9		
	Un	satisfact	ory	S	atisfacto	ry	Above expected				
	• .	B (5									
6. App	ropriate	R/P wav	e measu	rement	T	1	r	r	r		
N/A	1	2	3	4	5	6	7	8	9		
	Un	satisfact	ory	S	atisfacto	ry	Abo	ve expe	cted		
7 4 00	ropriato	lood imn	odonco	mogeure	mont						
7. App						•	-	•	•		
N/A	1	2	3	4	5	6	7	8	9		
	Un	satisfact	ory	S	atisfacto	ry	Abo	ve expe	cted		
8. App	ropriate	shock le	ad impe	dance m	easurem	nent					
N/A	1	2	3	4	5	6	7	8	9		
	Un	satisfact	orv	S	atisfacto	rv	Abo	ve expe	cted		
L	J	Unsatisfactory Satisfactory Above expected									



9. Appropriate threshold test											
N/A	1	2	3	4	5	6	7	8	9		
	Unsatisfactory			S	Satisfactory			Above expected			
10. Reprogramming / recommendations											
N/A	1	2	3	4	5	6	7	8	9		
	Unsatisfactory			S	atisfacto	ry	Above expected				
11. Ov	erall tecl	hnical ab	ility								
N/A	1	2	3	4	5	6	7	8	9		
	Un	satisfact	ory	S	Satisfactory			Above expected			

Assessors comments on trainee's performance on this occasion:

Trainee's comments on their performance on this occasion:

Signature of trainee:

Signature of supervisor:

Date: