

## Summary Guideline for Management of Cardiac Device Patients attending for Skin Surgery

### Aim

To provide a concise summary of advice for those referring for- or undertaking- skin surgery in patients with implanted electronic devices (IEDs).

Skin procedures <b>not requiring cautery</b> can be performed at the <b>Florence Nightingale Community Hospital (FNCH)</b> without further details from the RDH IED department	Skin procedures which <b>require cautery</b> are to be booked into the <b>RDH Daycase surgical list</b> and the further below steps followed BEFORE the date of the procedure
<ul style="list-style-type: none"> <li>• Punch biopsy</li> </ul>	<ul style="list-style-type: none"> <li>• Curettage and cautery</li> <li>• Shave excision/biopsy</li> <li>• All excisions (includes secondary intention healing/direct closure, incisional biopsy, flaps and grafts)</li> </ul>
Note: Any patient with ongoing syncopal episodes despite PPM/ICD will need discussion with the operator prior to listing.	

**Pre Booking** – For Derby patients please review patients '**Pace-care**' visits, found under the clinical measurements tab in the results section of Lorenzo.

- If pacing dependent at VVI 30ppm "No" then can proceed on daycase list at RDH.
- If pacing dependent at VVI 30ppm "YES" then Patient may go into asystole if pacing stopped. Ensure operator aware before proceeding.

If non-Derby patient, they should have a PPM/ICD ID card. If not, will need to contact hospital/Cardiology team in charge of patients pacemaker checks. Please complete the attached proforma (see appendix B).

### Pre Procedure

**Pacemakers** - Patients with a pacemaker do not need a routine pre-procedure or post procedure check. If the patient is not pacemaker dependent it is unlikely that diathermy will cause a problem. If the patient is pacemaker dependent (VVI at 30ppm), **it is recommended that the patient has a magnet placed over the unit for the duration of the skin procedure.** When this is removed the pacemaker will return to normal function.

**Implantable defibrillators (ICD's)** – **it is recommended to tape a magnet over the device for the duration of the skin procedure**, which will temporarily disable the ICD and will make diathermy safe. There may be cases where it is felt that magnet placement is contraindicated due to a) the proximity to the surgical site, b) movement of the patient, c) large body habitus. In these cases the ICD can be programmed off by the Physiologists from pacing clinic pre-operatively, but must be programmed back on post op. **These cases need to be booked in advance with pacing clinic.**

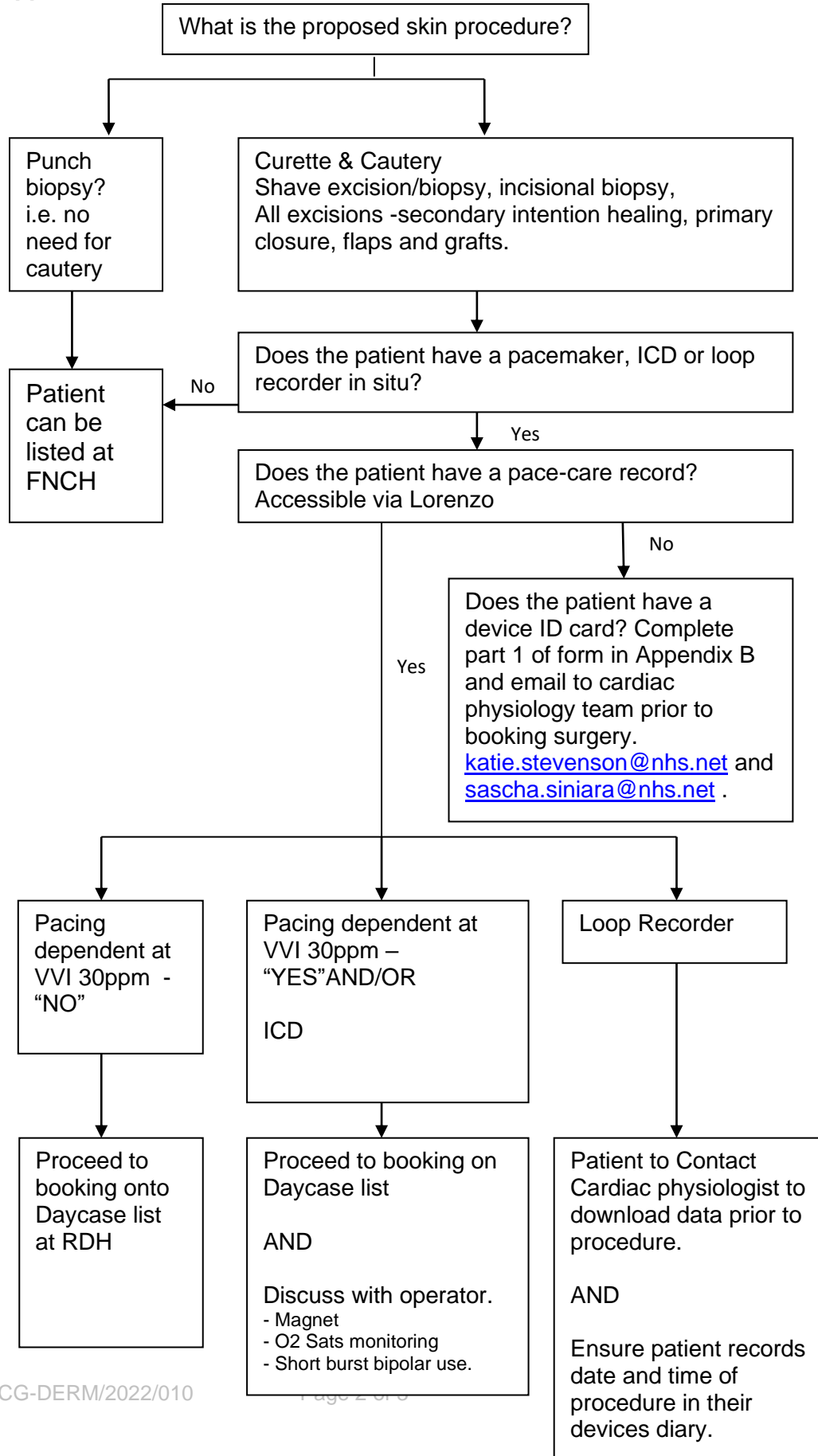
**Loop recorders** - There is a possible risk of the data being lost during the procedure. Therefore contact the cardiac physiology department if they wish to download the data before the procedure. Also remind the patient to note the procedure date and time into their diary. This will help the cardiac technician interpret any abnormalities recorded.

**During Daycase Procedure** - For patients with implanted devices and diathermy use:

- The patient needs pulse oximetry monitoring.
- If patient has been assessed as being PPM dependent or has an ICD in situ then magnet should be used.
- Diathermy Use:
  - Only bipolar diathermy. If inhibition occurs stop diathermy.
  - Keep all cables away from the implant site
  - Use the lowest effective power setting and briefest application (<5s) possible.
  - Caution within 5cms of the device.

**Post Procedure** - If there have been any clinical concerns during the procedure, a cardiac physiologist may be able to do a device check before discharge. In this event, theatre staff would need to telephone the devices clinic to arrange on Ext: 89011

**Appendix A:**



## Appendix B:

### Pre-operative information on IED

Please complete part 1 and email to Advanced Clinical Physiologists' by email: [katie.stevenson@nhs.net](mailto:katie.stevenson@nhs.net) and [sascha.siniara@nhs.net](mailto:sascha.siniara@nhs.net). They will complete part 2 and return it to [georgina.greenhough@nhs.net](mailto:georgina.greenhough@nhs.net) so any special preparation can be arranged (e.g. magnet availability or battery check).

PART 1: ask the patient if they have their implant card.

Patient label

Name: DOB: Hosp no:
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Pacemaker/ICD implant centre: \_\_\_\_\_

Follow up centre (can state same as above): \_\_\_\_\_

Device manufacturer: \_\_\_\_\_

Indication: \_\_\_\_\_

PART 2:

Is it near the end of the battery life? YES/NO (?or date of last check)

PPM:

Pacemaker dependent: YES/NO

Pacing rate: \_\_\_\_\_ bpm \_\_\_\_\_

Is a magnet on the device required during the procedure? YES/NO

ICD:

Is it pacing dependant? YES/NO

Is a magnet on the device required during the procedure? YES/NO

PPM with ICD:

Is it pacing dependant? YES/NO

Is a magnet on the device required during the procedure? YES/NO

Is a cardiac physiology appointment required before the procedure: YES/NO- if yes cardiac physiology to book