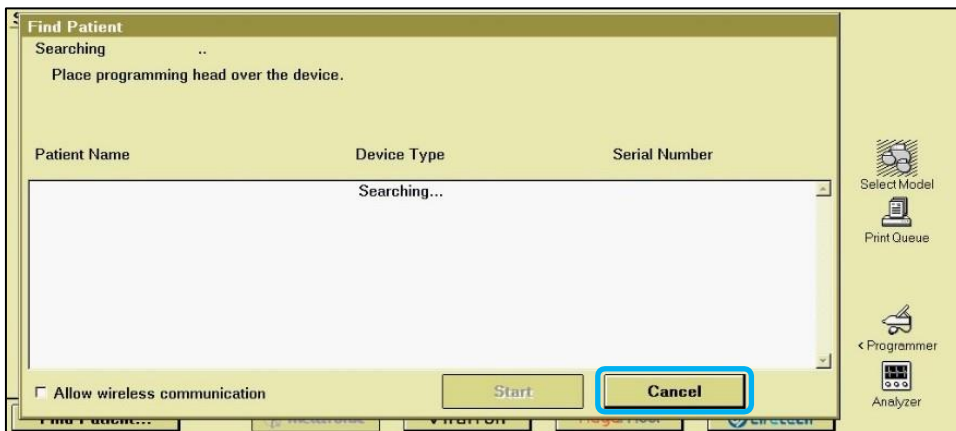# UPDATING A PACEMAKER TO CORRECT THE DUAL CHAMBER IPG CIRCUIT ERROR

This is a 14-step process. Please review these instructions to the last page.

1. Identify the patient's implanted pacemaker model.
   This update applies to the following devices: Adapta™, Versa™, Sensia™, Relia™, Attesta™, Sphera™, and Vitatron™ A, E, G, Q series.

2. Turn on the 2090 or Encore programmer.

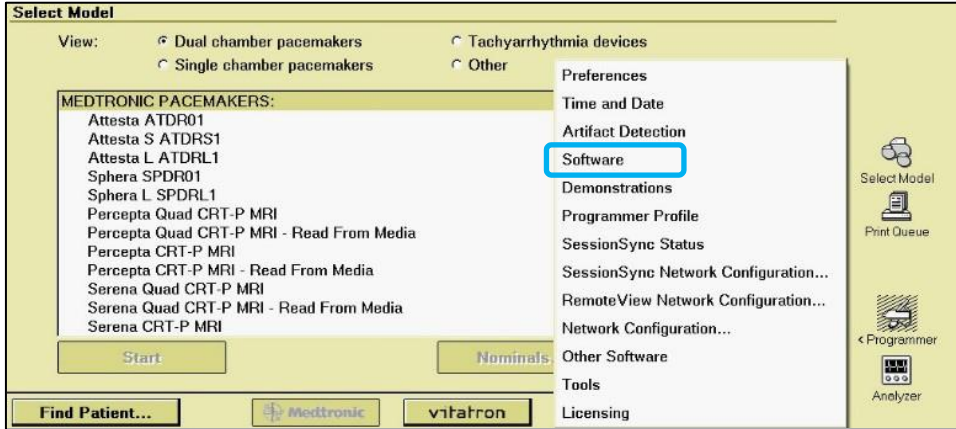3. Press "Cancel" on the Find Patient window.

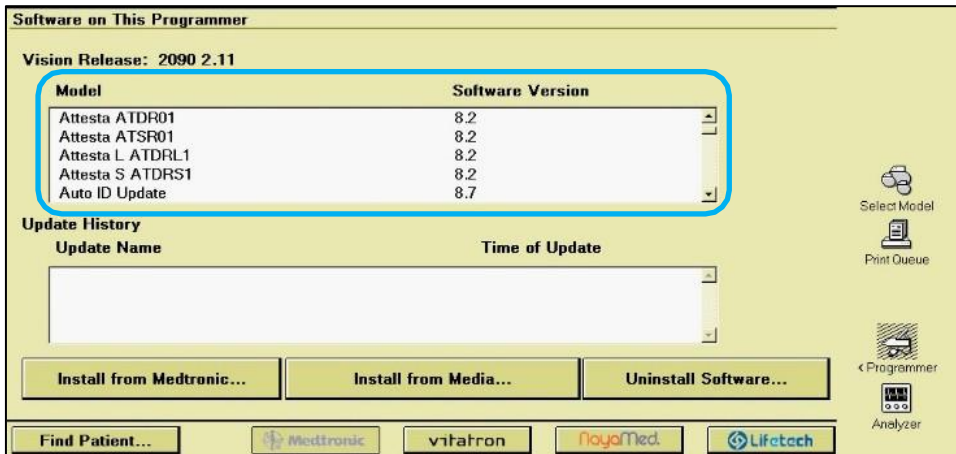4. Tap on "Programmer" icon on the main programmer screen.

5. Tap on "Software".

6. Search for the patient's pacemaker model.

7. Verify the software version is 8.2 or higher for the patient's implanted pacemaker model.
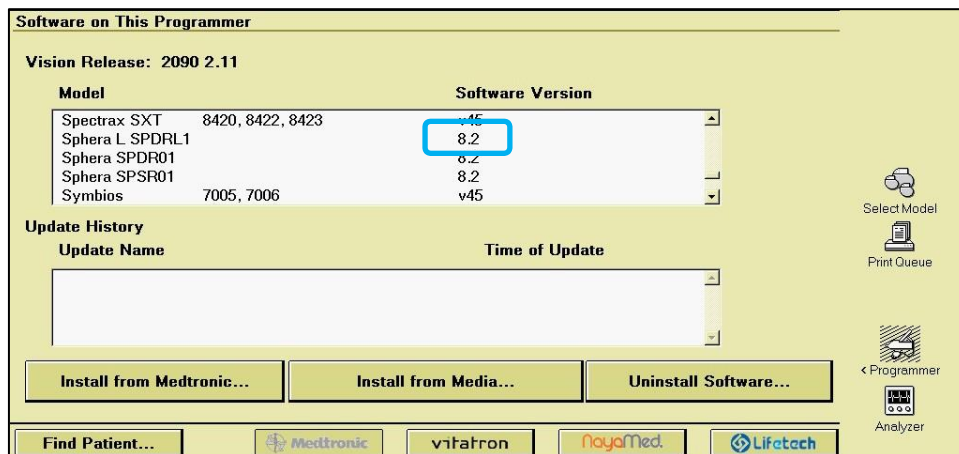
   If the software version is less than 8.2, stop and contact your Medtronic representative to update the programmer.
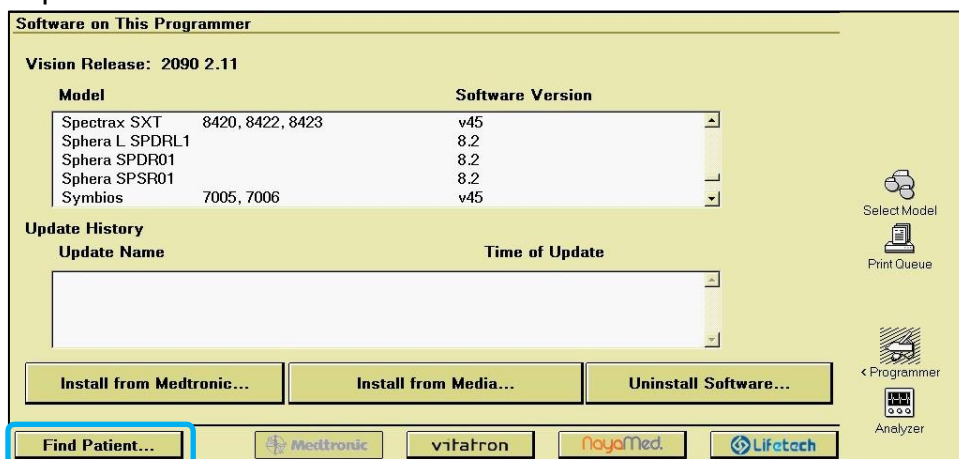

WARNING

If the programmer is running a software version less than 8.2:
- **DO NOT** run EP Study; and
- **DO NOT** program any parameters under "Clinician Selected…" in the Data Collection Setup window.

Either action will delete the circuit error correction update if the device was previously updated, and the patient will be susceptible to circuit error.
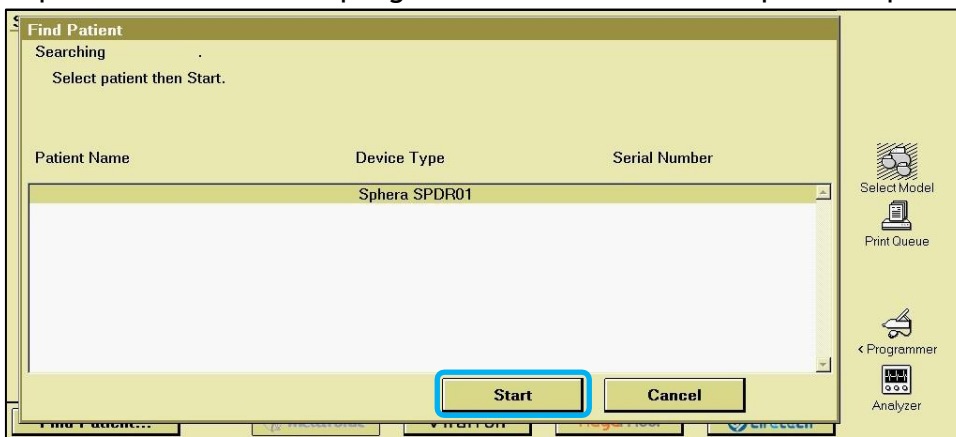
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8. Tap on "Find Patient".

Continue to the next page

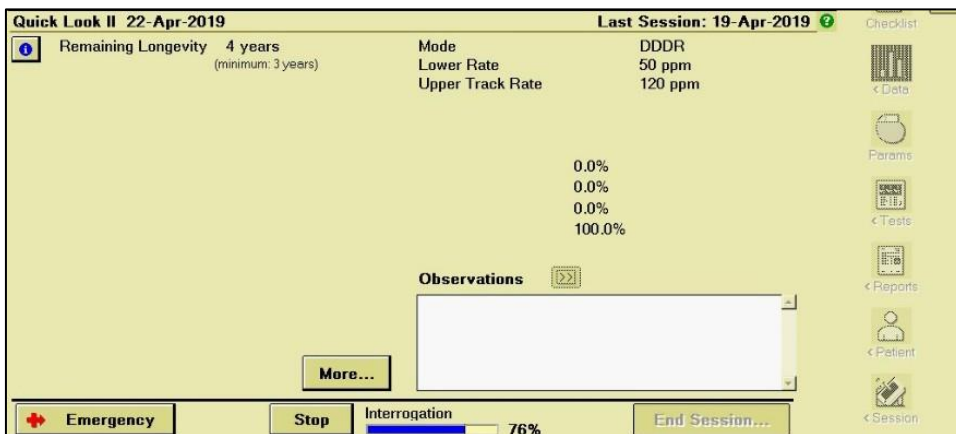9. Place the programming head over the patient's pacemaker.

10. Tap on "Start" when the programmer has detected the patient's pacemaker.
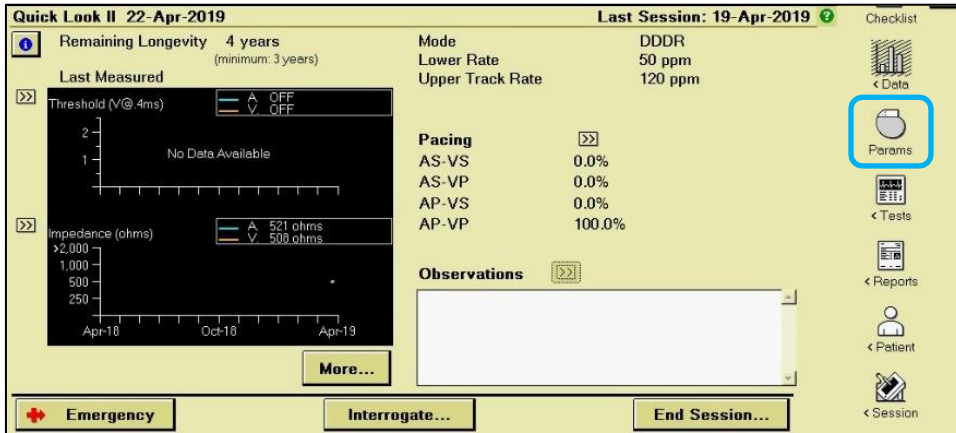

11. Wait for the interrogation to complete.

Note: Initial interrogation can take up to 2 minutes as the pacemaker downloads the circuit error correction update. Subsequent interrogations will proceed normally.
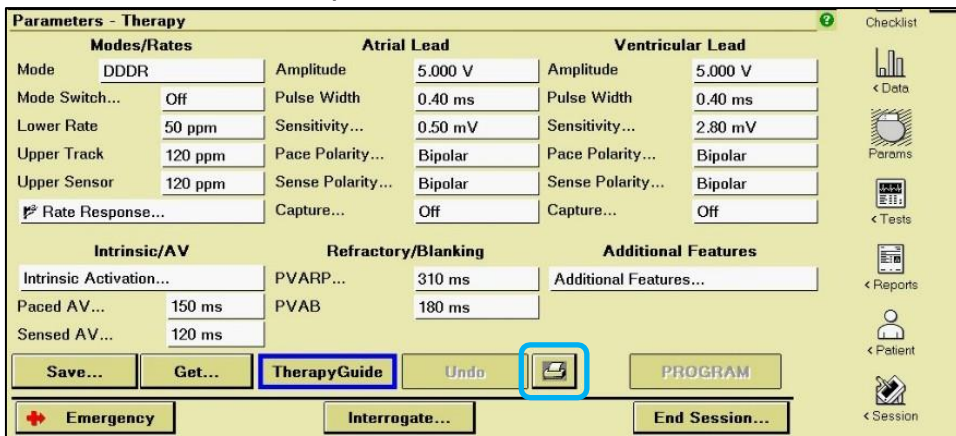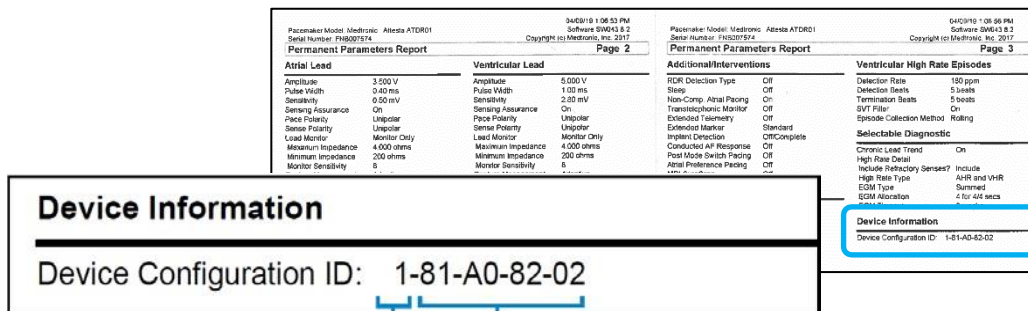
12. Tap on the Parameters icon.

13. Print the Parameters Report.

14. Verify the "Device Configuration ID" at the bottom of the Parameters Report starts with "1-".

Device Information

Device Configuration ID: 1-81-A0-82-02

Look for "1-"   These values may differ

If it starts with "1-", the pacemaker has been updated successfully.
No further action is required.

Otherwise, which of the two options below apply to the report?

The Device Configuration ID does not appear	The Device Configuration ID starts with "???-"
- Reprint the Parameters Report from the Parameters screen. - If the report still does not display Device Configuration ID, the programmer has not been updated to a software version required to complete the pacemaker update. - Contact your Medtronic representative or Technical Services to ensure the programmer software for the patient's device has been updated to at least the software version 8.2.	- Reprint the Parameters Report and recheck the Device Configuration ID. - If "???-" is still present, the pacemaker was unable to successfully receive the update. - Contact your Medtronic representative or Technical Services for additional instructions.