How to Convert Abbott/St Jude Pacemakers to an Asynchronous Pacing Mode

And Make it Easy to Reprogram Postop

1

Abbott/St Jude Pacemakers

- Patients who are truly pacemaker dependent may develop asystole during surgery requiring electrocautery, particularly cautery in the neck, upper arms, chest or upper abdomen
- Their pacer may need to be converted from a demand mode to an asynchronous mode

  DDD→DOO

  VVI→VOO

2

Abbott St Jude Pacers

- When you convert an Abbott St Jude pacer into an asynchronous mode, all of the patient's baseline settings are NOT routinely saved.
- When you convert that pacer back to the baseline mode, at the end of surgery, some of the settings revert to the "out of the box" settings
- To ensure that a patient's pacer has the exact baseline settings, you must go through the programmed settings line by line
  - This takes a lot of time
  - There is a good chance that something can be missed.

3

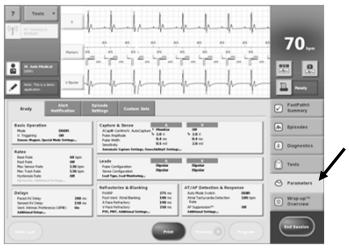
Solutions to the Problem

- There are two ways to avoid having this problem
  - Create a Custom Parameter Set
  - Use The Restore Initial Values option in the Wrap Up Overview Folder

4

Typical Parameter Folder Screen

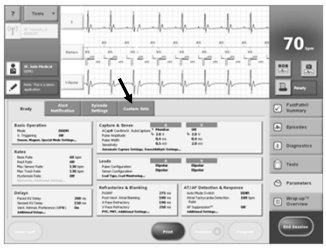
1. The pacing mode is DDDR



5

How to Create a Custom Parameter Set

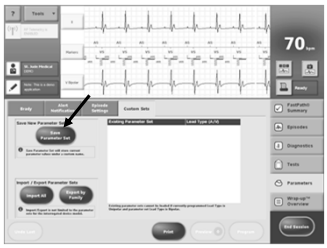
1. Click on Custom Sets Tab in the Parameter Folder



6

Custom Sets Tab

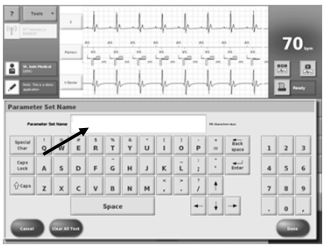
1. To create a Custom Parameter Set with the patient's baseline settings, click Save Parameter Set



7

Custom Parameter Set Creation

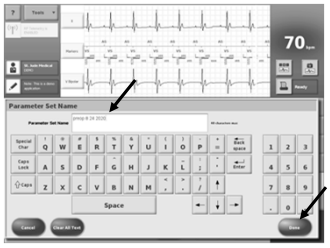
1. Type a Parameter Set Name into box



8

Custom Set Creation

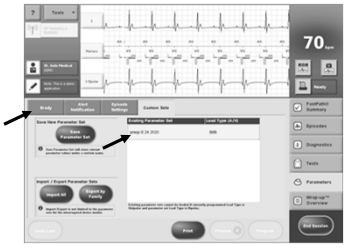
1. I used the day of the procedure
2. Then click DONE



9

Custom Set Creation

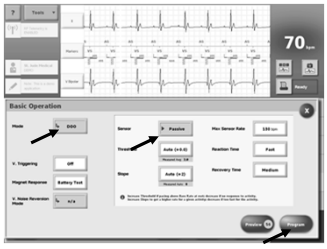
1. Notice the saved parameter set
2. Click on the BRADY tab to get back into the pacing parameters



10

Converting Pacer to Asynchronous Mode

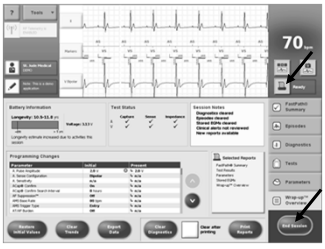
1. At this point you may convert the pacer to the indicated pacing mode
2. Program the change



11

End the Session

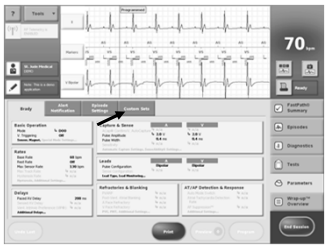
1. Go to the Wrap Up Overview Folder and print a wrap up overview report
2. End the session



12

Restoring the Baseline Settings with the Custom Parameter Set

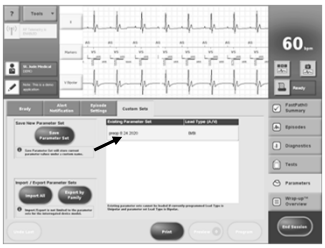
1. At the end of the case you will initiate another programmer session
2. In the BRADY tab of the PARAMETERS folder you will see the present pacing mode—DOO in this case
3. Click on the CUSTOM SETS tab to get access to your created Parameter Set



13

Activating the Preop Parameter Set

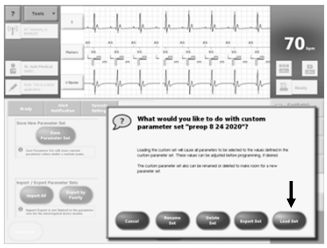
1. Click on the desired parameter set



14

Activating the Preop Parameter Set

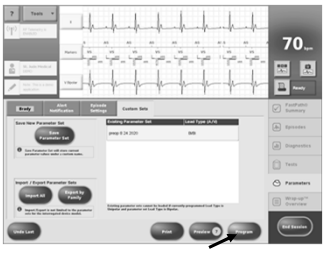
1. Click Load Set



15

Activating the Preop Parameter Set

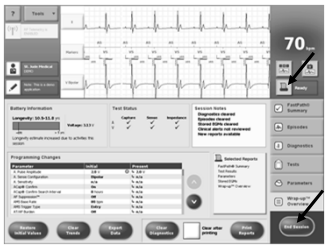
1. Click Program
2. Go to Wrap Up Overview Folder



16

Activating the Preop Parameter Set

1. Print a wrap up overview (print reports or click on the printer icon)
2. End Session



17

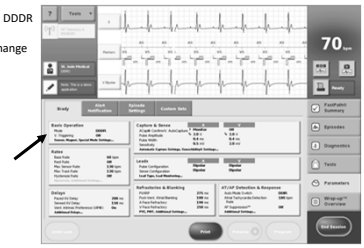
Second Way to Reprogram the Pacer

- Use the Restore Initial Values Option

18

Typical Parameter Screen

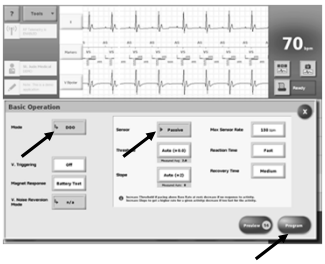
1. The pacing mode is DDDR
2. Click on the Basic Operation Box to change the pacing mode



19

Converting Pacer to Asynchronous Mode

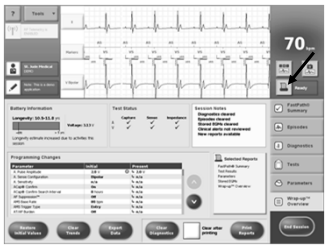
1. Select the desired asynchronous pacing mode
2. Program the changes



20

Using the Restore Initial Values Option

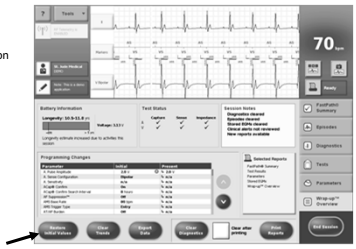
1. Go to the Wrap Up Overview Folder
2. Print a wrap up overview (print reports or click on the printer icon)
3. REMOVE THE PROGRAMMER WAND FROM THE PATIENT
4. LEAVE THE PROGRAMMER SESSION OPEN
5. DO NOT CLICK "END SESSION"
6. LEAVE PROGRAMMER ON



21

Using the Restore Initial Values Option

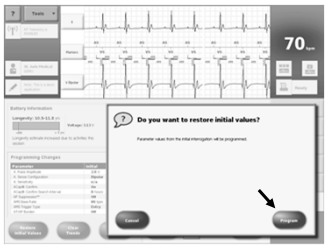
1. At the end of the surgery, replace the programmer wand on the pacemaker
2. Click the RESTORE INITIAL VALUES icon



22

Using the Restore Initial Values Option

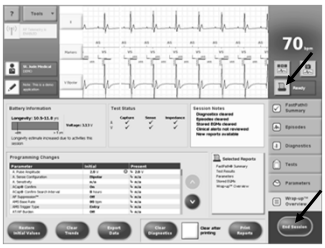
1. Click Program to restore the initial values



23

Using the Restore Initial Values Option

1. Print a wrap up overview (click on print reports or on the printer icon)
2. End the session



24

Summary

- If you need to change an Abbott/St Jude pacer to an Asynchronous mode, you have two options to make the post op reprogramming easy
  - Create a Preop Custom Parameter Set
  - Use the Restore Initial Values option
- Always check the final report to ensure that all settings are back to normal

25