

ECMO Following RVAD Support

October 27, 2023



STS National Database[™]
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Coding Post-Implant ECMO

To capture the number of days a patient was on ECMO post RVAD support we have added questions to the following forms:

- Preimplant Form
- Explant Form
- Death Form
- Implant Discharge Form



Coding Post-Implant ECMO

Once a patient receives a RVAD that is not connected to an oxygenator, that device is entered into the database. If at anytime after that the device is attached to an oxygenator, please leave the RVAD in the database. The Explant form will be completed once the RVAD is decannulated.



Scenario #1

Patient receives a BiVAD (LVAD +RVAD). Following implant the RVAD was connected to an oxygenator for 5 days. The oxygenator was then turned off and the RVAD was decannulated on POD 10.



Scenario #1

Steps to properly document

1. BiVAD entered into the database
2. Complete the RHF AE form by clicking Create Event

Patient Summary

Create Event Add New Device Other Tools ▾

3. Complete the Explant form (on POD 10) for the RVAD by clicking Create Event

Patient Summary

Create Event Add New Device Other Tools ▾

On the Explant form answer the following question:

Was the patient on ECMO at any time since implant of their durable LVAD? Yes
 No
 Unknown

Total number of days on ECMO
ST= Unknown



Scenario #1

Steps to properly document (continued)

4. On the Implant Discharge form answer the following question

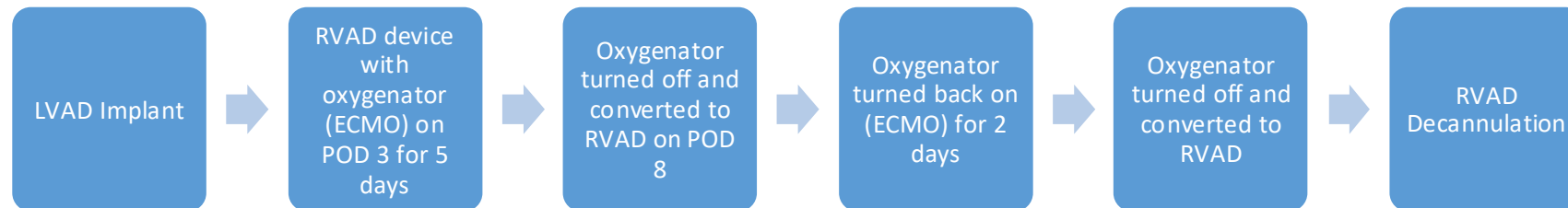
Was ECMO initiated at any time after VAD implant? Yes
 No
 Unknown

Total Number of days on ECMO?
ST= Unknown



Scenario #2

Post durable LVAD implant, on POD 3 the patient receives RVAD device that is connected to an oxygenator (ECMO) for 5 days. On POD 8 the oxygenator is turned off and the device is converted to a RVAD. The oxygenator is then turned back on for 2 more days until it was turned off and the RVAD was decannulated on POD 14.



Scenario #2

Steps to properly document

1. LVAD Implant entered into the database
2. Complete RHF AE by clicking Create Event

Patient Summary Create Event Add New Device Other Tools ▾

3. Implant the RVAD on POD 8 by clicking Add New Device

Patient Summary Create Event Add New Device Other Tools ▾

4. Complete RHF AE by clicking Create Event

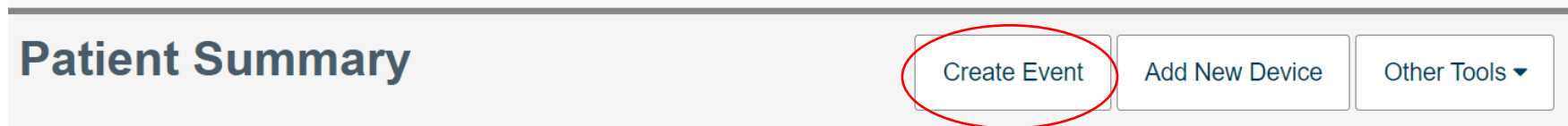
Patient Summary Create Event Add New Device Other Tools ▾



Scenario #2

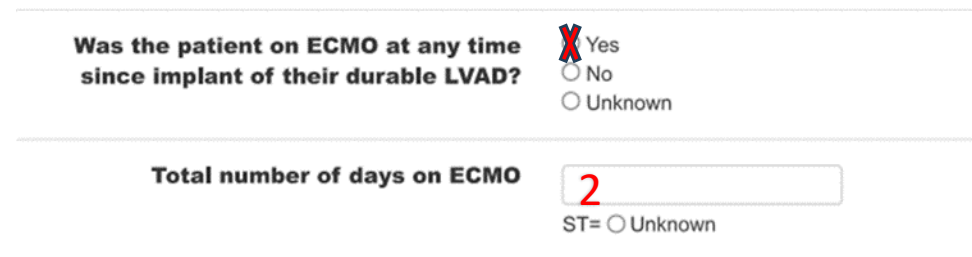
Steps to properly document (continued)

5. Complete the Explant form (on POD 14) for the RVAD by clicking Create Event



The screenshot shows a 'Patient Summary' header with three buttons: 'Create Event', 'Add New Device', and 'Other Tools'. The 'Create Event' button is circled in red.

On the Explant form answer the following question



The screenshot shows a question on the Explant form: 'Was the patient on ECMO at any time since implant of their durable LVAD?'. The 'Yes' radio button is selected with a red 'X'. Below the question, there is a text input field for 'Total number of days on ECMO' with the value '2' entered. The 'ST= Unknown' radio button is also visible.



Scenario #2

Steps to properly document (continued)

6. On the Implant Discharge form answer the following question

Was ECMO initiated at any time after VAD implant? Yes
 No
 Unknown

Total Number of days on ECMO?
ST= Unknown



If you have any questions, feel free to contact us

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