Society of Thoracic Surgeons

Adult Cardiac Surgery Database

July 1, 2020

STS National Database™
Trusted. Transformed. Real-Time.

Agenda

- Welcome and Introductions
- Housekeeping
- STS Updates
- Q&A – Please submit using the Q&A function

Welcome v4.20.2!

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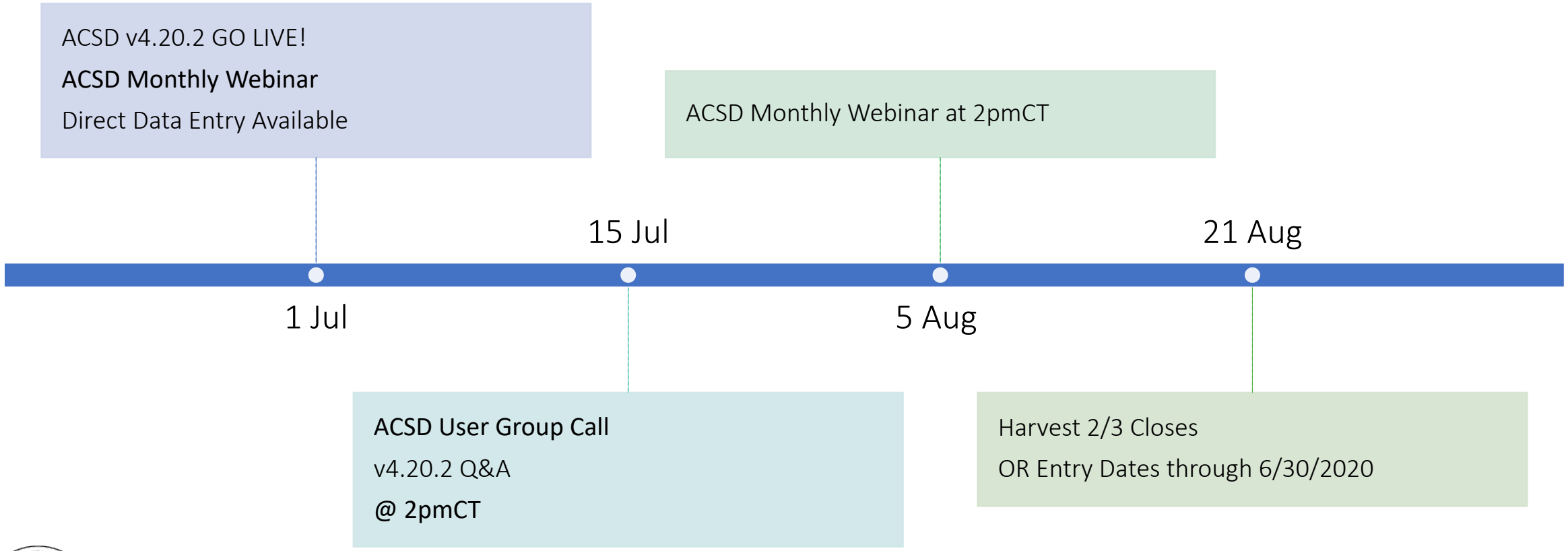
Housekeeping

- v4.20 **Data** Spec **Update**
- v4.20 Training Manual Update
- July Training Manual

Important Dates for Adult Cardiac



Direct Data Entry

- July 1, 2020
- Email STSDB@sts.org

- Tuesday, September 29 – Intermacs/Pedimacs
- Wednesday, September 30 – General Thoracic
- Thursday, October 1 – Adult Cardiac
- Friday, October 2 – Congenital

Advances in Quality & Outcomes: A Data Managers Meeting

ADVANCES IN QUALITY & OUTCOMES:
A Data Managers Meeting
September 29 – October 2, 2020 ■ VIRTUAL

September 29, 2020 - October 2, 2020

AQO 2021

DENVER!

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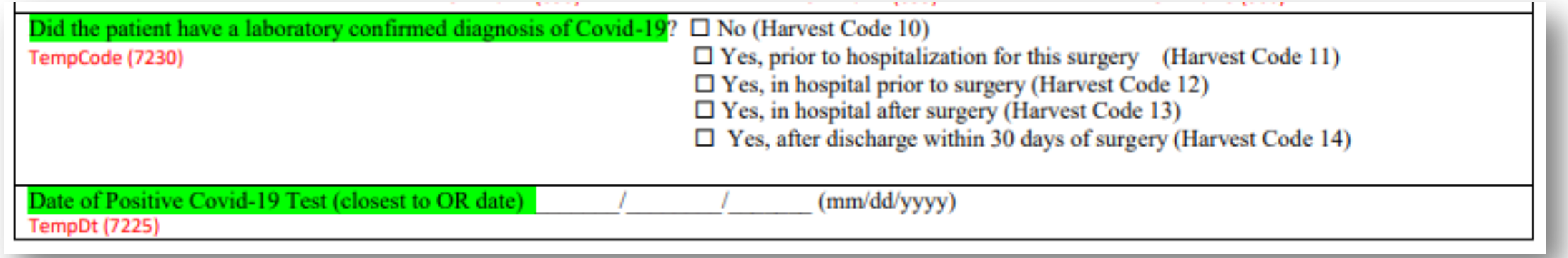
V4.20.2 Updates

- Updated DCF's Posted on 6/29/2020
  - 6/29 Updates Highlighted in Green
  - Temporary Fields Added
    - COVID-19 Fields
      - TempCode (sequence 7230)
      - TempDt (sequence 7225)
      - Same rules as v2.9
    - High-Flow Transaxillary or Transaortic Devices Implanted Intraoperatively
      - TempYN1 (sequence 7215)
      - Detailed rules in the July Training Manual
- ProcID Chart, Risk Model Variable Chart, and Risk Model End Point Definitions Posted
- Worksheets
  - Mostly posted, but still working on a few Aorta Sheets
- Vendor Certification Update
  - Phase I
  - Phase II

COVID-19 Fields in Risk Factor Section (D)

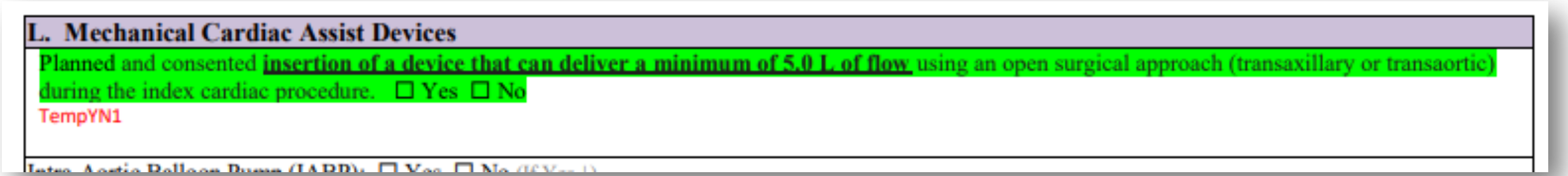


Did the patient have a laboratory confirmed diagnosis of Covid-19?
TempCode (7230)

- ☐ No (Harvest Code 10)
- ☐ Yes, prior to hospitalization for this surgery (Harvest Code 11)
- ☐ Yes, in hospital prior to surgery (Harvest Code 12)
- ☐ Yes, in hospital after surgery (Harvest Code 13)
- ☐ Yes, after discharge within 30 days of surgery (Harvest Code 14)

Date of Positive Covid-19 Test (closest to OR date) _____/_____/_____ (mm/dd/yyyy)
TempDt (7225)

High-Flow Assist Device Place Intraoperatively in Mechanical Cardiac Assist Devices (Section L)



L. Mechanical Cardiac Assist Devices

Planned and consented **insertion of a device that can deliver a minimum of 5.0 L of flow** using an open surgical approach (transaxillary or transaortic) during the index cardiac procedure. ☐ Yes ☐ No

TempYN1

- Code 'Yes' If the patient had a planned and consented Impella implantation using an open surgical approach (transaxillary or transaortic) during the index cardiac procedure.
- Refer to July's Training Manual for detailed guidance on coding this field

Small Whoops!

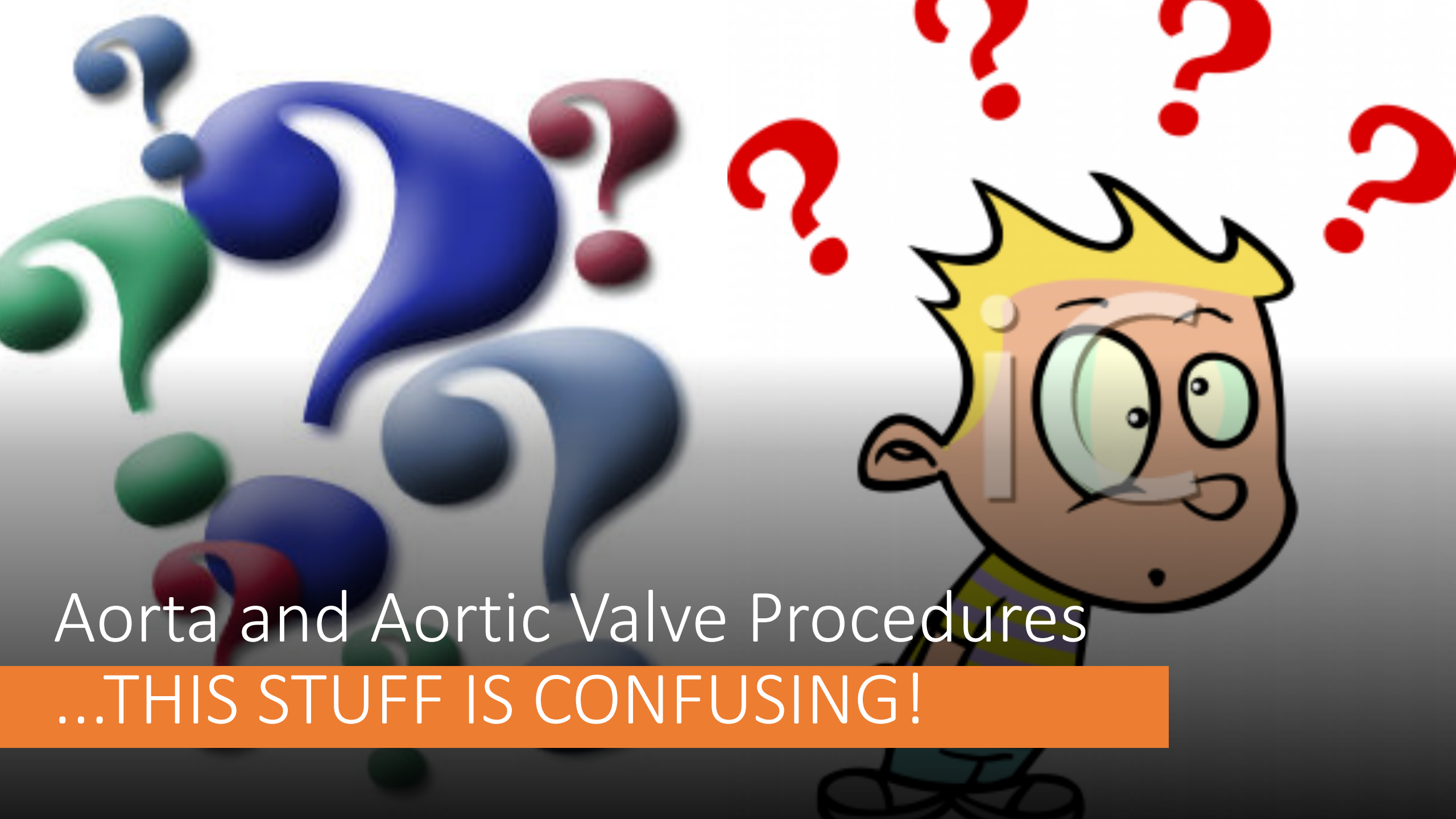
Extubated in OR: ☐ Yes ☐ No ☐ N/A (not intubated) ExtubOR (6585)	
(If "No" or "N/A"→)	Initial Extubation Date and Time: __ __/__ __/__ __ __ __ __ __: __ __ (mm/dd/yyyy hh:mm - 24 hr clock) (for N/A leave this field blank) ExtubateDT (6586)++
	Total post-op initial vent hour _____ (system calculation) TotalPOInitVentHr (6587)
Re-intubated /or intubated Post Op During Hospital Stay: ☐ Yes ☐ No (If yes →) Additional Hours Ventilated: ++	

For patient's not intubated in the OR

- Code 'N/A' for ExtubOR – sequence 6585
- Leave ExtubateDT – sequence 6586 blank
- TotalPInitVentHr will calculate to 0

Another Small Whoops!

Pulmonic Valve Disease: ☐ Yes ☐ No VDPulm (1828)			
(If Pulmonic Valve Disease, Yes→)	Etiology: (choose one) VDPuEt (1855)		
☐	Acquired	☐	Endocarditis
☐	Radiation induced heart disease	☐	Endocarditis, Prosthetic valve
☐	Congenital, s/p Tetralogy of Fallot (TOF) repair	☐	Mixed etiology
☐	Congenital, no prior Tetralogy of Fallot (TOF) repair	☐	Other
☐	Reoperation-Failure of previous PV repair or replacement	☐	Not Documented



Aorta and Aortic Valve Procedures

…THIS STUFF IS CONFUSING!

Aorta Procedure without Aortic Valve

Aorta Procedure Performed: AortProc (2123)	☐ Yes, planned ☐ Yes, unplanned due to surgical complication ☐ Yes, unplanned due to unsuspected disease or anatomy ☐ No (If Yes complete Section M 2)	
	(If Aorta Procedure performed →)	Did the surgeon provide input for aortic surgery data abstraction? ☐ Yes ☐ No AortProcSurgInput (2124)
Valve Procedure Performed: OpValve (2129)	☐ Yes ☐ No	
	You can't get here because you selected 'No' at seq 2129 (If Yes →)	Was a valve explanted: ☐ Yes ☐ No ValExp (2130) (If Yes complete Section K)
		Aortic Valve Procedure performed: VSAV (2131) ☐ Yes, planned ☐ Yes, unplanned due to surgical complication ☐ Yes, unplanned due to unsuspected disease or anatomy ☐ No
		(If Yes →) Was a procedure performed on the Aorta? ☐ Yes ☐ No AVAortaProcPerf (2132) (If 'Yes' complete M2; If 'No' complete K1)

Aortic Valve Procedure without Aorta Procedure

Aorta Procedure Performed: AortProc (2123)	☐ Yes, planned ☐ Yes, unplanned due to surgical complication ☐ Yes, unplanned due to unsuspected disease or anatomy ☐ No (If Yes complete Section M 2)	
	(If Aorta Procedure performed →)	Did the surgeon provide input for aortic surgery data abstraction? ☐ Yes ☐ No AortProcSurgInput (2124)
Valve Procedure Performed: OpValve (2129)	☐ Yes ☐ No	
		Was a valve explanted: ☐ Yes ☐ No ValExp (2130) (If Yes complete Section K)
		Aortic Valve Procedure performed: VSAV (2131) ☐ Yes, planned ☐ Yes, unplanned due to surgical complication ☐ Yes, unplanned due to unsuspected disease or anatomy ☐ No
		(If Yes →) Was a procedure performed on the Aorta? ☐ Yes ☐ No AVAortaProcPerf (2132) (If 'Yes' complete M2; If 'No' complete K1)

AVAortProcPref – seq 2132 – is the parent to the Aortic Valve Section.

Answering 'NO' will open the Aortic Valve ONLY section (K1).

Answering 'YES' will open the AORTA section (M2)

Aortic Valve with Aorta Procedure

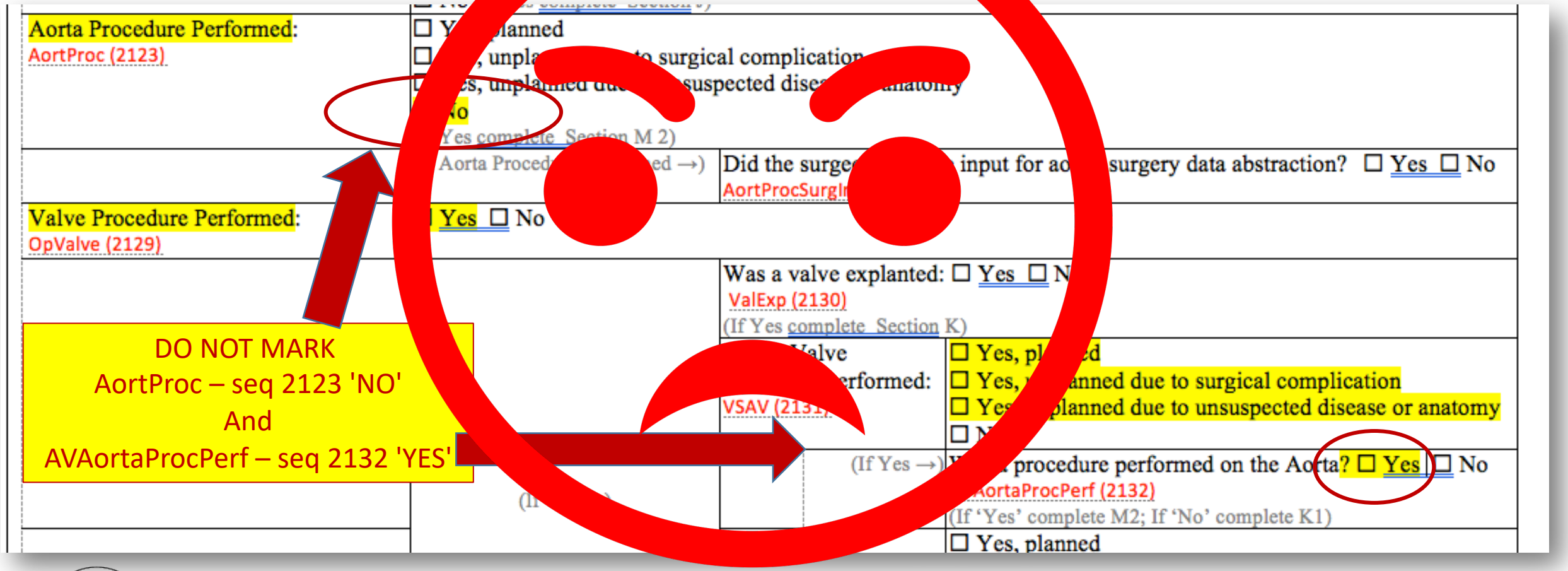
Aorta Procedure Performed: AortProc (2123)	☐ Yes, planned ☐ Yes, unplanned due to surgical complication ☐ Yes, unplanned due to unsuspected disease or anatomy ☐ No (If Yes complete Section M 2)	
	(If Aorta Procedure performed →)	Did the surgeon provide input for aortic surgery data abstraction? ☐ Yes ☐ No AortProcSurgInput (2124)
Valve Procedure Performed: OpValve (2129)	☐ Yes ☐ No	
		Was a valve explanted: ☐ Yes ☐ No ValExp (2130) (If Yes complete Section K)
		Aortic Valve Procedure performed: VSAV (2131) ☐ Yes, planned ☐ Yes, unplanned due to surgical complication ☐ Yes, unplanned due to unsuspected disease or anatomy ☐ No
	(If Yes →)	Was a procedure performed on the Aorta? ☐ Yes ☐ No AVAortaProcPerf (2132) (If 'Yes' complete M2; If 'No' complete K1)
		Mitral Valve ☐ Yes, planned

AVAortProcPref – seq 2132 – is the parent to the Aortic Valve Section.

Answering 'NO' will open the Aortic Valve ONLY section (K1).

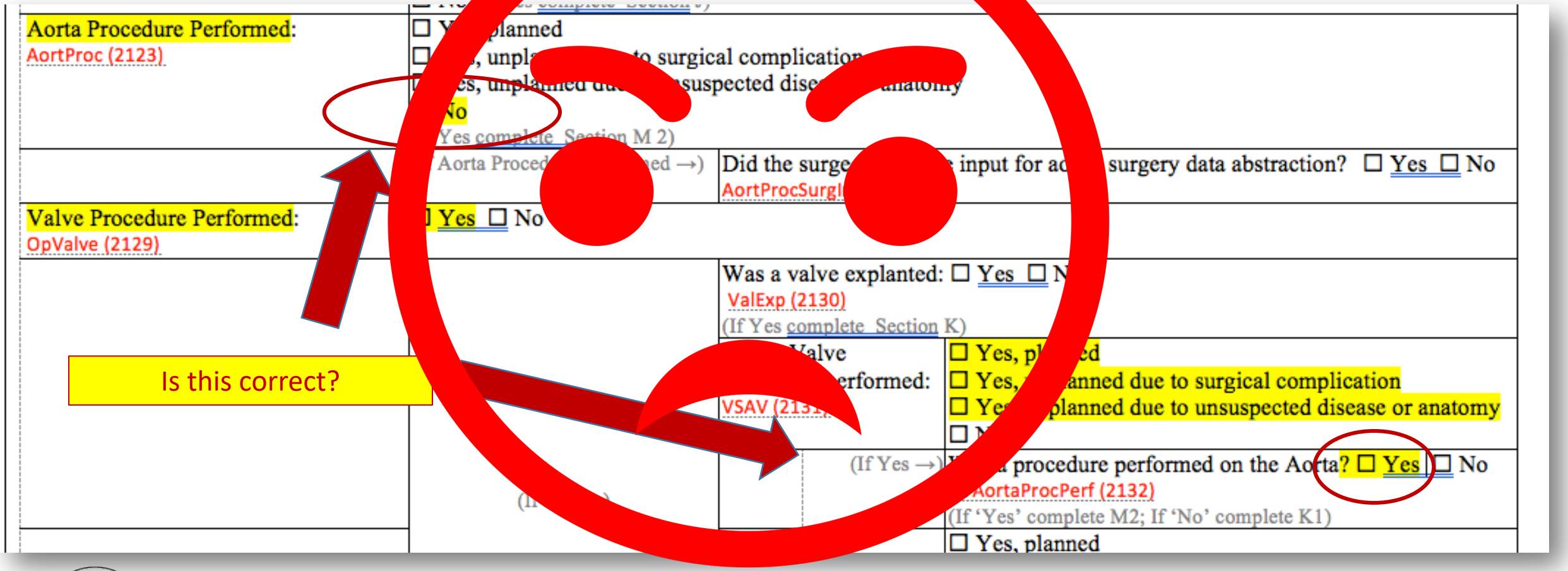
Answering 'YES' will open the AORTA section (M2)

DOES NOT COMPUTE



POLLING QUESTION

Is this ok??



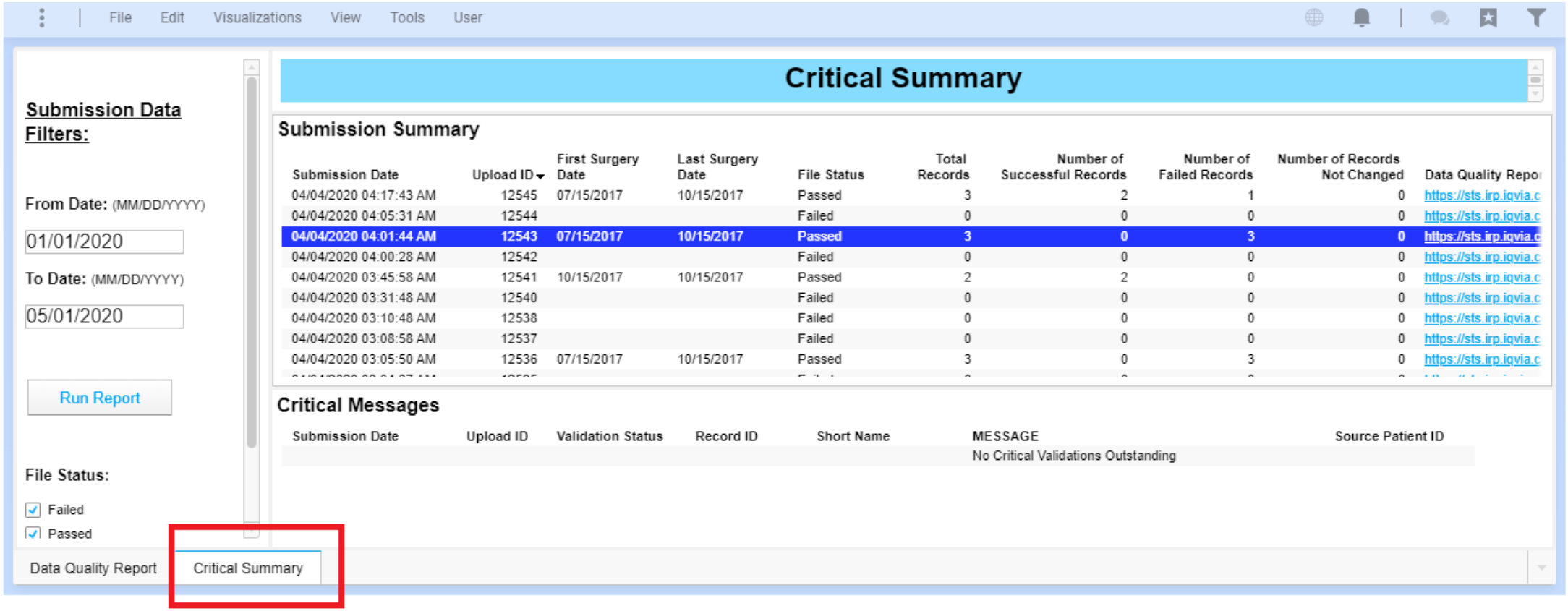
Is this correct?

IQVIA Update
Melanie Bent

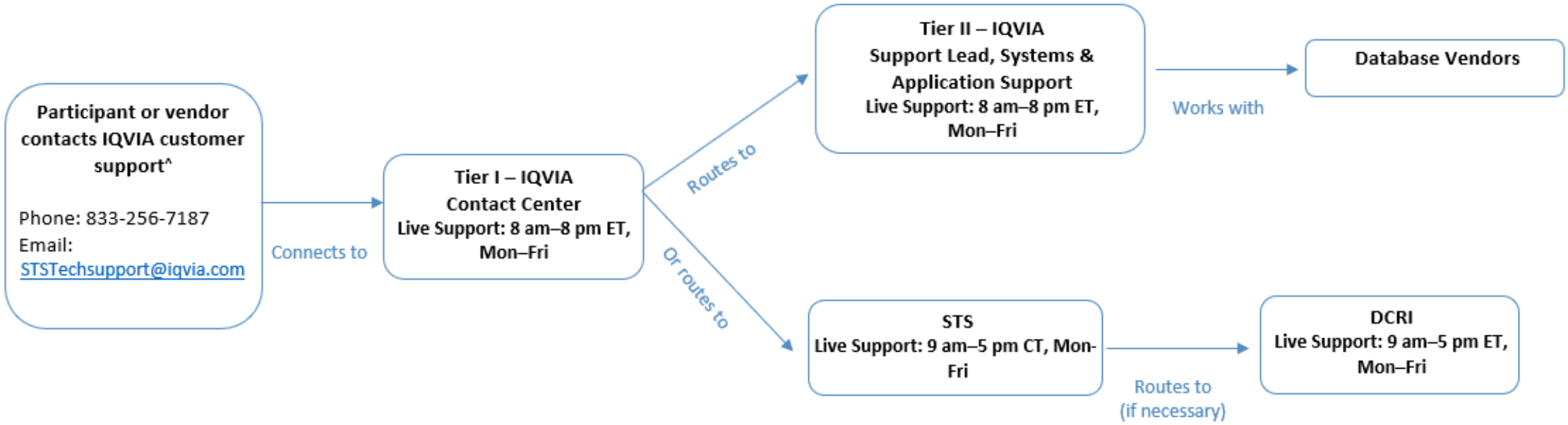
IQVIA Updates

- Uploader
  - STS-3333/3335/3337/3338 (and more) - Site receiving "Internal Server Error" when uploading (RESOLVED)
- Under Review
  - STS-3271 - Case form deactivation - patient record was removed from exported .dat file and is still appearing in the IQVIA platform
  - STS-3267 - Records are not being updated in subsequent uploads
  - STS-3266 - Upload showing a red X even, but Data Quality Report displays files were uploaded successfully
  - STS-3241 - Harvest Summary shows warnings
  - STS-3170 - Dashboard report discrepancy for isolated CABG

IQVIA Update – DQR Critical Summary



IQVIA's Support Plan



^ Inquiries received outside live support hours will require a 24-hour turnaround window (i.e., one business day) for responses.

Resources

- STS National Database Webpage
- STSTechSupport@IQVIA.com (Uploader, DQR, Missing Variable, Dashboard, Password and Login)
- Phone Support: 1-833-256-7187
- STS National Database Feedback Form
- Resource Documents
  - Contact Information
  - Webinar Information
  - FAQ Document
  - Go-Live Checklist
  - Tiered-level Support Document
  - *Training Videos*
  - *Link to IQVIA*
  - ckrohn@sts.org

Contact Information

- Carole Krohn, Sr. Clinical Manager, STS National Database
  - CKrohn@sts.org
  - 312-202-5847
- Database Operational Questions
  - STSDB@sts.org

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Open Discussion

Please use the Q&A Function.

We will answer as many questions as possible.

We encourage your feedback and want to hear from you!