

Version 2.9

Risk Factors and

Preoperative Cardiac

Status

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These slides are to be used for quality improvement by the MSTCVS member surgeon champions and data managers. Each slide includes the MSTCVS confidentiality statement.

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Risk Factors



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Endocarditis

Seq. No. 395 Endocarditis Culture

- ▶ MRSA
- ▶ MSSA
- ▶ Gram negative species
- ▶ Polymicrobial
- ▶ Mycobacterium (chimaera)

Endocarditis

Seq. No. 395 Endocarditis Culture

- ▶ To capture specificity of causative organisms.
- ▶ To capture endocarditis related to heater-cooler contamination.

Lung Disease

Seq. No. 410 Type

- ▶ Restrictive
- ▶ A type of lung disease that results in a decrease in lung volume, increased work of breathing and inadequate ventilation and/or oxygenation.

Lung Disease

Seq. No. 430 DLCO % Predicted

- ▶ The lowest value for DLCO uncorrected should be captured in this field.
- ▶ The specification is incorrect; the training manual corrects the measure.

Liver Disease

Seq. No. 486 Child-Pugh Class

- ▶ Includes values for total bilirubin, albumin, INR, ascites and hepatic encephalopathy.
- ▶ The STS considers the lab values required for coding liver disease.
- ▶ The STS expects the documentation of the classification to be in the medical record.

Liver Disease

Factor	1 point	2 points	3 points
Total bilirubin ($\mu\text{mol/L}$)	<34	34-50	>50
Serum albumin (g/L)	>35	28-35	<28
PT INR	<1.7	1.71-2.30	>2.30
Ascites	None	Mild	Moderate to Severe
Hepatic encephalopathy	None	Grade I-II (or suppressed with medication)	Grade III-IV (or refractory)

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Liver Disease

	Class A	Class B	Class C
Total points	5-6	7-9	10-15
1-year survival	100%	80%	45%

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Liver Disease

Seq. No. 487 Listed for Liver Transplant

- ▶ Documentation in the medical record supports that the patient is on a liver transplant list

Liver Disease

Seq. No. 488 S/P Liver Transplant

- ▶ Documentation in the medical record supports that the patient has received a liver transplant.

Chest Wall Deformity

Seq. No. 521 Chest Wall Deformity

- ▶ Documentation in the medical record of pectus excavatum or pectus carinatum.

Six Minute Walk Test

Seq. No. 661 Six Minute Walk Test Done

- ▶ Documentation in the medical record that the six minute walk was done.

Six Minute Walk Test

Seq. No. 662 Six Minute Walk Distance

- ▶ Documentation in the medical record of the distance walked in the six minutes.

Preoperative Cardiac Status



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Heart Failure

Seq. No. 911 Heart Failure

- ▶ Documentation in the medical record that the patient has been in a state of heart failure.

Heart Failure

Seq. No. 912 Heart Failure Timing

- ▶ Acute, sudden decompensation.
- ▶ Chronic, symptoms of shortness of breath, peripheral edema and fatigue without acute exacerbation.
- ▶ Both

Heart Failure

Seq. No. 913 Heart Failure Type

- ▶ Systolic, LV lacks force to push blood through the circulation.
- ▶ Diastolic, LV fails to relax to allow filling.
- ▶ Both, components of both systolic and diastolic failure.

Heart Failure

Seq. No. 915 NYHA Classification

- ▶ Allows the NYHA classification when documentation is available in the medical record.

Arrhythmia

Seq. No. 961 Atrial Fibrillation

- ▶ Atrial fibrillation can now be captured as none, remote or recent.

Arrhythmia

Seq. No. 962 Atrial Fibrillation Type

- ▶ Atrial fibrillation captured only when arrhythmia atrial fibrillation is not none.

QUESTIONS???



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