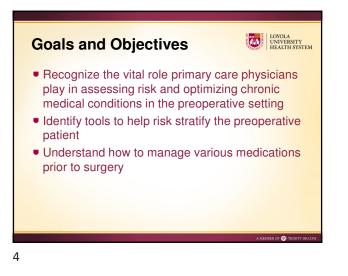




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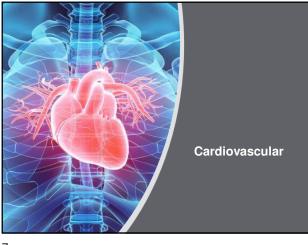
Outline

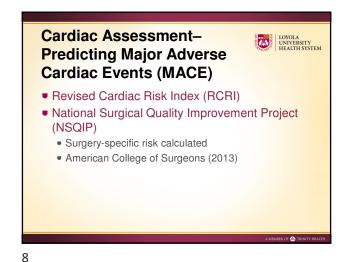
LOYOLA UNIVERSITY HEALTH SYSTEM

- Cardiovascular risk assessment, revascularization, and medical therapy
 - CAD/CHF
 - HTN
 - Med management
- Endocrine disease assessment and optimization
 - Diabetes Mellitus
 - Thyroid disease

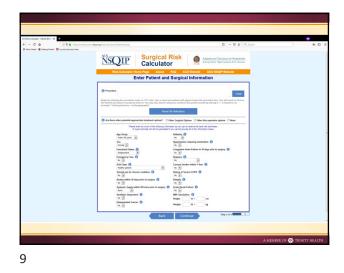








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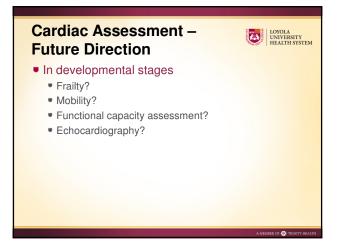


Cardiac Assessment -Update

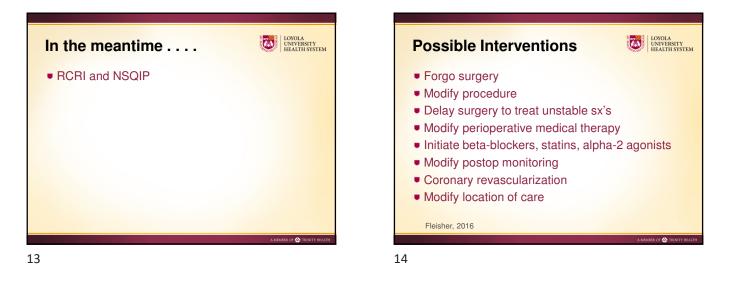
LOYOLA UNIVERSITY HEALTH SYSTEM

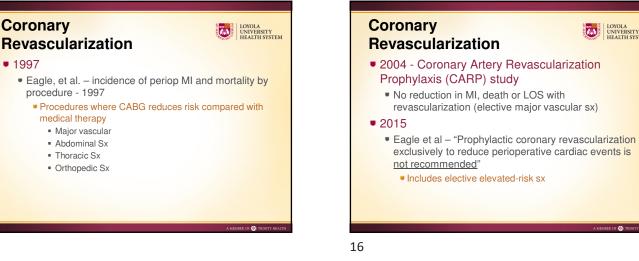
. 🔊

- Glance, et al 2018 10,000 pts
 - Disagreement of low vs. high risk between RCRI and NSQIP ~29% of the time
- Fronczek, et al 2019 sought to externally validate RCRI and NSQIP with vascular pts
 - Predictive accuracy of MACE poor in both
- Vascular Qality Initiative VQI
 - Developed own algorithm for predicting MI troponin level, clinical and echocardiographic criteria
 - NOT EXTERNALLY VALIDATED



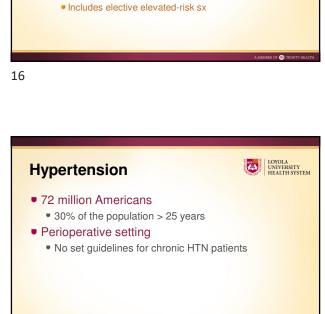






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LOYOLA UNIVERSITY HEALTH SYSTEM

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Coronary

Revascularization

60 days for CABG

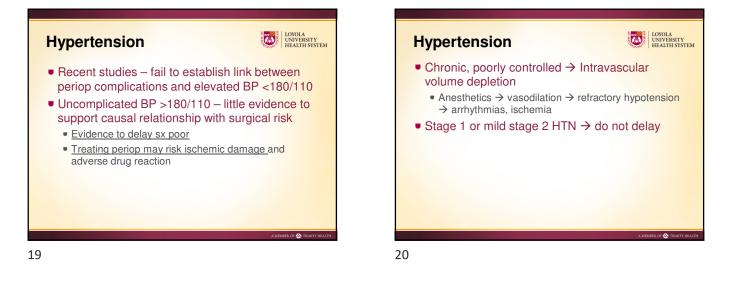
14 days for balloon angioplasty

 365 days for drug eluting stents (DES) • 6 months for new generation stents on DAPT (continuation of ASA recommended)

30 days bare metal stent

When revascularization IS necessary – delay sx





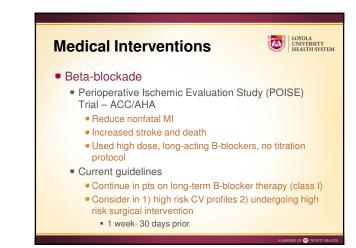
Hypertension

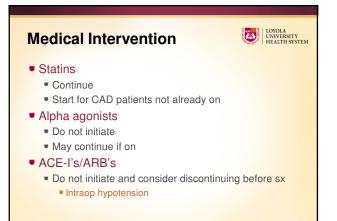
LOYOLA UNIVERSITY HEALTH SYSTEM

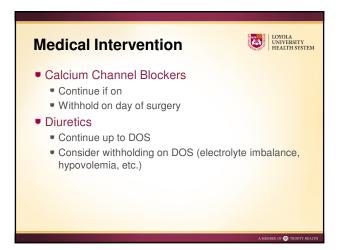
F 🚳

- Advanced stage 2 (systolic > 180 mmHg, diastolic > 110 mmHg) → few data to support postponement
- Hypertensive crisis (>180/120 mmHg) and/or symptomatic (headache, blurred vision, etc.) → delay

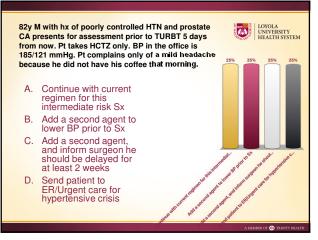
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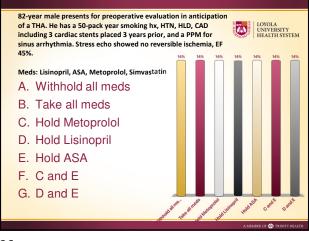








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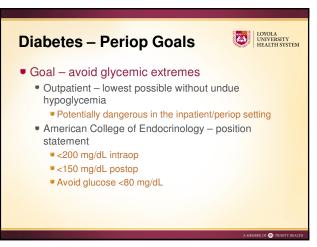
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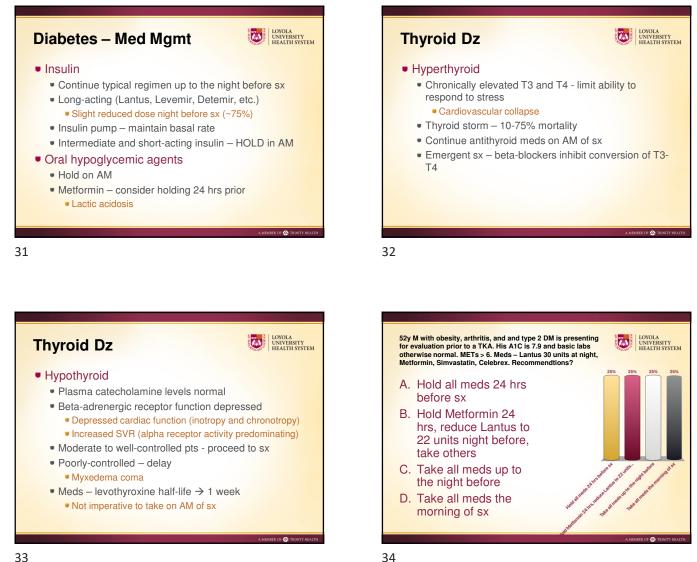




Diabetes
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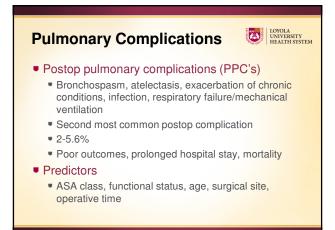




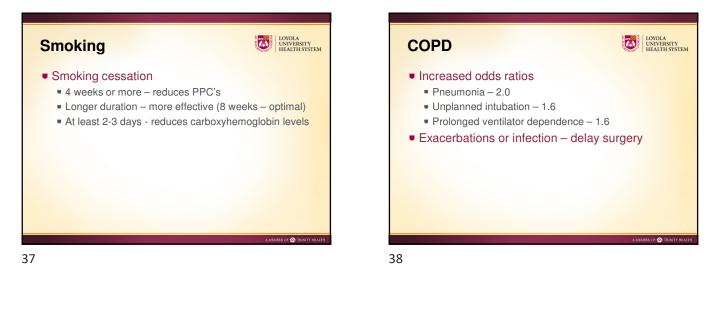


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- Clinical prudence delay surgery
- Evidence is weak
- Elevated risk of bronchospasm, laryngospasm, desaturation
- No increased morbidity or long-term sequelae (Tait, et al.)

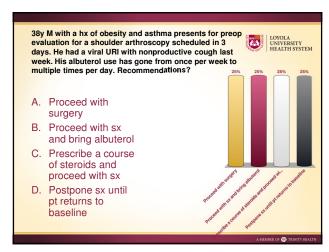
No increased rate of PPC's in <u>well-controlled</u> asthmatics
Continue inhalers in the perioperative period
Exacerbations – delay surgery

LOYOLA UNIVERSITY HEALTH SYSTEM

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Asthma









 Chronic Kidney Disease

 (CKD)

 • Affects 14% of Americans

 • Underdiagnosed

 • Strongly correlated with higher 30-day mortality rates

 • More susceptible to AKI

 • AKI most common after cardiac sx

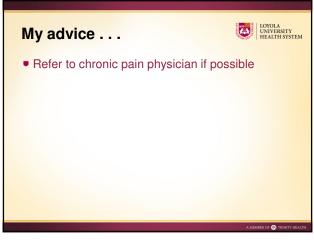
CKD
• Labs – Cr, GFR
• <u>GFR < 45 mL/min -> consider nephrology consult</u>
• Meds
• <u>NSAIDs</u>, abx, contrast, low-molecular-weight heparin, <u>ACEI/ARBs</u>

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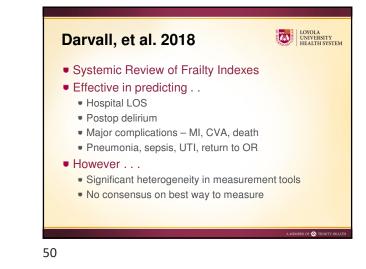


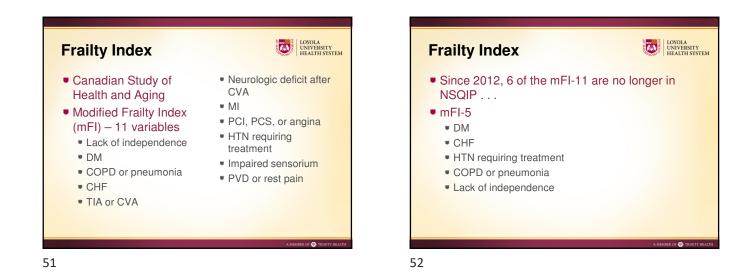


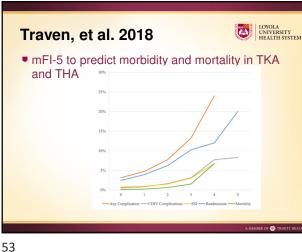
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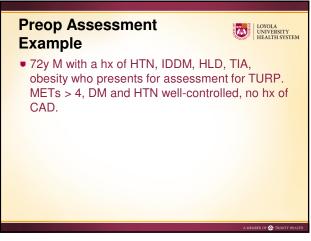








An 85y F presents for assessment for a L upper lobectomy for lung CA. She has a hx of COPD, HTN, and lives in an assisted living facility. What is her mFI-5 score?	LOYOLA UNIVERSITY HEALTH SYSTEM
A. 1	
B. 2	
C. 3	
D. 4	
	A MEMBER OF 💸 TRINITY HEALTH



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Preop Assessment -Example

LOYOLA UNIVERSITY HEALTH SYSTEM

- Version 1 "This is a 72y M who is a moderaterisk patient (based on RCRI) scheduled for a low-risk procedure. His mFI-5 frailty score is 2, placing him at a moderately elevated risk".
- Version 2 "This is a 72y M who is at an elevated risk for complications (9.4% based on NSQIP) for a low-risk procedure"

