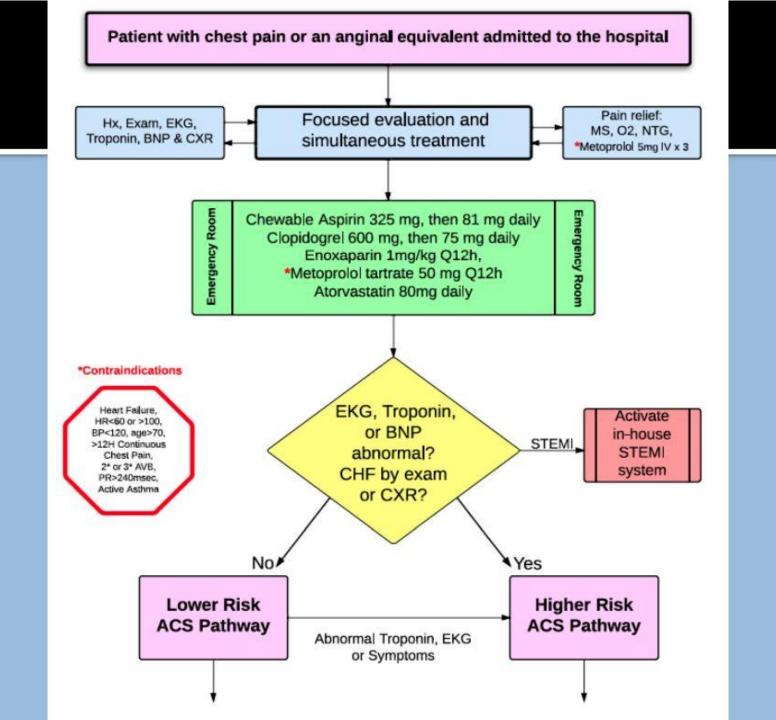
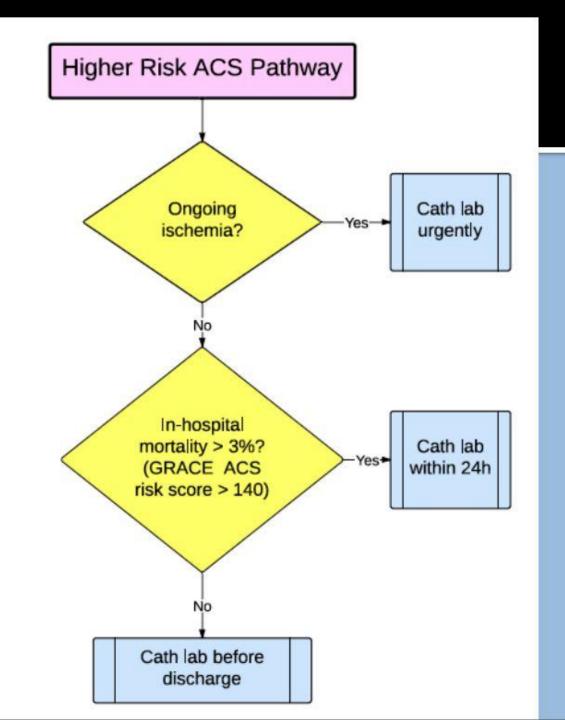
## **ACS Treatment Algorithm**

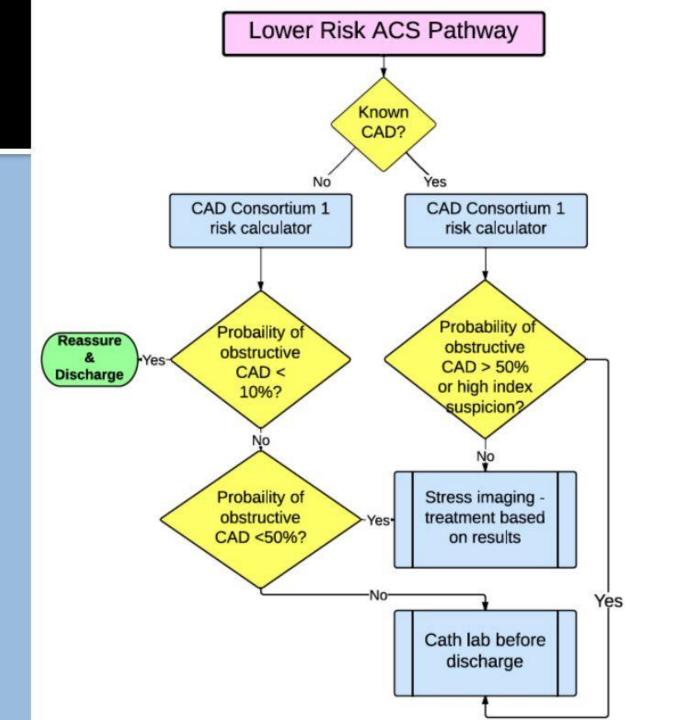
For download to your smartphone 9-2017

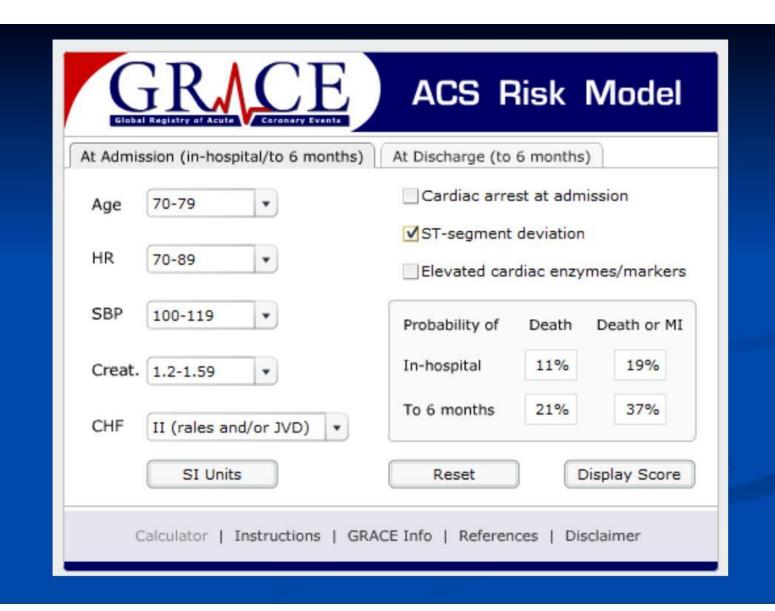
Patrick Hughes, MD Associate Professor of Medicine University of Wisconsin School of Medicine and Public Health











https://www.outcomes-umassmed.org/grace/acs\_risk/acs\_risk\_content.html

## Using the CAD Consortium probability of obstructive coronary disease calculator

First determine the nature of the chest pain

Angina As Defined By ACC/AHA Guidelines

## Typical Angina

Mid-sternal discomfort that is provoked by exertion or emotional distress and relieved by rest and/or nitroglycerin

**Probable Angina** (or "Atypical Angina")

Lacks one of these components

(Best characterization for exertional dyspnea is 'probable angina')

## **Nonspecific or Nonanginal Chest Discomfort**

Has only one or none of the 3 characteristics of Typical Angina

Then use the table on the following page....

**Use the following table** to estimate the probability of obstructive coronary artery disease, expressed as a percentage. For example:

- A 75 y/o man with typical angina has a 76% chance of having significant CAD by angiography.
- A 55 y/o woman with nonspecific discomfort has only a 3% chance of serious CAD.

Non- specific chest pain	Probable angina	Typical angina	Age	Non- specific chest pain	Probable angina	Typical angina
6	11	32	40-49	2	3	11
11	19	47	50-59	3	6	19
19	31	63	60-69	6	10	30
30	46	76	70-79	10	18	45
45	61	85	80-89	17	29	60

Values in this table represent the probability (expressed as a percentage) of obstructive coronary artery disease at the time of coronary angiography based on age, gender and symptoms.

From Genders, et al. BMJ. 2012;344:e3485. doi: 10.1136/bmj.e3485

**A more precise version** of the CAD Consortium 1 probability of obstructive coronary artery disease calculator is available at

 The Qx calculate app. Open the Cardiology tab→Treadmill Testing→Pre-test probability of CAD (CAD consortium)

Note: This data set and the table above assume there is no prior history of coronary disease and the evaluation is performed in outpatient settings. The values in the table above most likely underestimate the probability of obstructive CAD in patients with a history of CAD or being evaluated in an emergency room on hospital.

- The opinions or assertions contained herein are the private views of the author and are not to be construed as official or as reflecting the views of the University of Wisconsin
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