Troponin
for heart attack

1
Will it make a difference?

No
if already have plan

No
if patient doesn't want treatment
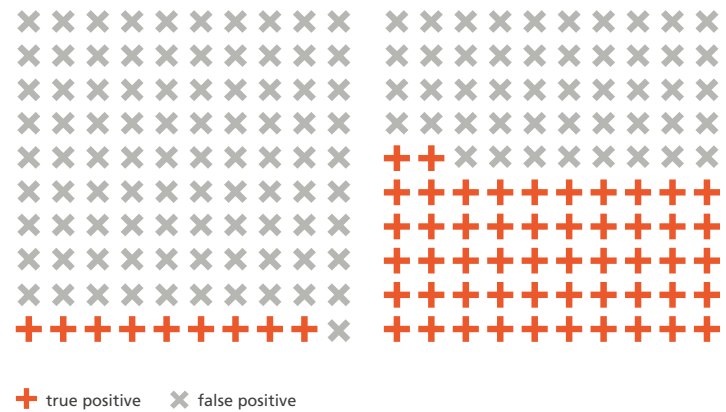
Yes
take next steps

2
What is the chance of disease before testing?

5% PRETEST PROBABILITY
man
40–50 years old
non-specific chest pain

1% PRETEST PROBABILITY
woman
<40 years old
non-specific chest pain

5% ....
1% ....

unlikely   likely

3
What will a positive result mean?

1% PRETEST PROBABILITY
9% true positive
91% false positive

10% PRETEST PROBABILITY
52% true positive
48% false positive

+ true positive   **✖** false positive

4
Decide with patient if testing.

Identifies **99%** of heart attacks

Treatment of heart attack is **beneficial**

benefits   harms

False positives common if used indiscriminately

Positives lead to treatment, even if false positive—aspirin, blood thinners etc.

Positives lead to stress tests and/or angiogram which can result in **adverse events** and **patient costs** for observation status

Visit **testingwisely.com** for more info.