Katie's Knowledge Translator

If yes to "**should**"
go quickly to "**how**"

Appraise
should this change my practice

Is the SOURCE CREDIBLE?

Is the EVIDENCE CREDIBLE?
(see over also)

Were all options given a
BALANCED and fair review?

Is the research focused
on PATIENT-ORIENTED EFFECTS
THAT MATTER?

Are the TREATMENT EFFECTS
clinically important?

Are the results APPLICABLE TO
REAL PRACTICE?

KNOWLEDGE BASE REVIEW:
what's known, uncertain, and
remaining unknown?

Is the treatment FEASIBLE
AND AFFORDABLE?

Apply
how should I change my practice

What do I NORMALLY DO?

What needs to
CHANGE and HOW?

What are the BARRIERS
to practice change?

WHAT CAN I DO by myself?

WHO do I need to work
with to make the changes?

What TIPS AND TOOLS
can I gather from others?

WHAT ADVICE do I need about
common barriers and solutions?

WHAT DO I NEED TO DO RIGHT NOW
to ensure the change begins?

When and how should I ASSESS MY
PROGRESS?

The **Katiè** Program
...because sometimes *knowledge* needs a *translator*

Katiè's Appraisal Tool

Who
- Were the people studied like the people I treat?
- Were the people in the different groups similar at baseline?

Outcomes
- What do my patient's care most about?
- What was measured – biomarkers, surrogates, or clinical outcomes?

Numbers
- What are the most important results?
- What is the usual rate of events, for example without treatment or with standard treatment?
- By how much does the intervention reduce pain, suffering, or the risk of negative outcomes?
- For unfamiliar measures, what is a clinically important change?
- What are the relative ($\div$) and absolute ($-$) differences between treatment groups? What are the related NNTs and NNHs?
- For figures, was the y-axis truncated to imply a larger treatment effect?
- Are the treatment effects (good and bad) clinically important?

Compared To
- What is being compared?
- Does it reflect standard clinical practice?
- Was it dosed right?
- What's the role of past or other current treatments?

Believability
- What was the study's design?
- Could bias (selection, attrition, measurement, data handling, comparator, etc.) have influenced results?
- Were confounders present? How could they affect the results?

Chance
- What is the p-value or confidence interval?
- Was the sample large or small?
- Is a clinically meaningful difference ruled in or out (or neither) by the confidence interval?

Follow Up
- Was the duration of the study long enough to accurately assess the important benefits and risks of treatment?

Drop-Outs
- How many people didn't finish the study?
- Why didn't they?
- What does this mean for my practice?
- How did this affect the results of the study?

Risks
- How do the treatment options compare in terms of risks – adverse effects, overall tolerability, serious adverse effects, toxicity, and drug interactions.

Missing
- What important questions are not answered by this study? What about by all studies?

Worth
- Can my patients afford it?
- Do the advantages pay for themselves?

Strength of Evidence
- What is the quality of the best available evidence?
- Are findings consistent across studies?
- Do studies show important treatment-related differences in clinically meaningful outcomes?

Big Picture
- What are the key results, strengths, and limitations?
- What am I going to do with this information? (see over)
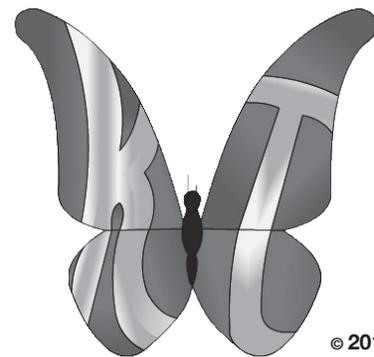
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Don't know? Just ask.
The *Katiè* **Program** promotes dialogue between presenters and learners.
Many important questions need to be asked to be answered.

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