

## **1. INTRODUCTION**

Read the title aloud.

Name the author.

Name the institution(s).

How was the study funded?

Are there conflicts of interest?

## **2. PRIMARY QUESTION**

What is the question this study was designed to answer?

Were there any other clinical questions they were curious about?

Why is this important?

## **3. DESIGN**

What is the design of the study?

Was it blinded?

## **4. SUBJECTS**

Who was in the study?

Who was included or excluded?

How many subjects were there? How many were excluded?

Does the selection of subjects suggest that the results will be generalizable to other patients?

## **5. INDEPENDENT VARIABLES**

What treatment/experimental groups were there?

## **6. OUTCOME VARIABLES / DEPENDENT VARIABLES**

What was the study designed to measure? What outcomes were they looking for?

What are the clinically significant phenomena the investigators are trying to predict/prevent/treat (ie presence/absence of disease, measure of symptom burden, survival time)? Are these disease-oriented or patient-oriented?

How are these variables measured?

What units did they use to measure? (ie subjective scale, clinician judging clinical improvement, objective criteria)

## **7. RESULTS**

What were the results/outcomes?

Were they statistically significant?

What tables/graphs did they use to demonstrate results?

What statistics did they use to analyze data?

## **8. CONCLUSIONS**

What do the authors think the results mean?

How did they interpret the results?

## **9. VALIDITY**

Identify any biases or flaws.

How significant are they?

Are the results statistically significant?

Are the results clinically significant?

## **10. SUMMARY**

Summarize the study question and significance in 2 sentences.

## **11. CLINICAL RELEVANCE**

Does this study change your clinical practice?

Did you learn anything new?

Can you extrapolate the findings to our patients at Firelands Health or Family Health Services?

## **12. THINKING FORWARD**

What studies might follow this?

What clinical questions remain?