SUGGESTED ALGORITHM FOR REVIEWING
A SCIENTIFIC PAPER

Preparation For Cardiac Anesthesia Journal Club

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I. What is the study question?

II. Is this an important questions? Why?

III. Study Design
>   Target population?
>   Accessible population? (? Appropriate)
>   Subject inclusion criteria?
>   Exclusion criteria?

Sampling Technique
>   Probability
>   - simple random (random number table)
>   - systematic sampling (periodic process)
>   - stratified random sampling
>   - cluster sampling

>   Non-Probability
>   - consecutive sampling
>   - convenience sampling
>   - judgmental sampling

>   Measures
>   Types
>   - continuous
>   - discrete
>   - categorical
>   - nominal
>   - ordinal
>   - dichotomous

>   Precision – (random error)
>   Accuracy – (bias)

>   Predictor variables
>   Confounders
>   Outcome variable
>   Statistical issues
>   - Study power

IV. Study results

V. Study conclusion