

KU School of Medicine-Wichita Internal Medicine Residency Program

Journal Club Objectives

Journal Club is designed to provide residents with critical appraisal skills of the medical literature. An intern will be selected to present an article related to relevant clinical research each month. The article will be approved by the Program Director or designees. Residents will appraise each article critically to answer the following basic questions:

- Are the study results valid?
- What are the results?
- Will the results help my patient care?

Residents will develop the following competencies.

Practice-Based Learning and Improvement

The resident will use evidence from scientific studies and clinical guidelines effectively.

Resident knowledge and skills will include

- the appraisal of the study design, subject sample, and study methodology
- determining the applicability of study results to the resident's practice and patients
- the ability to determine and interpret likelihood ratios, sensitivity/specificity, pre-test and post-test odds, pre-test and post-test probabilities, relative risk, absolute/relative risk reduction, and number needed to treat/harm.

Interpersonal and Communication Skills

The resident will present topics informally and formally to groups of learners.

Resident knowledge and skills will include:

- clearly stated objectives for the presentation
- appropriate understanding of basic epidemiological and/or statistical terms
- reasonable and succinct conclusions

NAME _____

**KU School of Medicine-Wichita
Internal Medicine Residency Program
Journal Club
Treatment Article Evaluation**

Reference

Research Question/Hypothesis

Are the results likely to be valid?
--

- | |
|---|
| <input type="checkbox"/> Patients were assigned randomly. |
| <input type="checkbox"/> All patients were accounted for and attributed in the conclusions. |
| <input type="checkbox"/> Clinicians and study personnel were blinded to treatment. |
| <input type="checkbox"/> Study groups were similar at the start of the trial. |
| <input type="checkbox"/> Study groups were treated equally. |
| <input type="checkbox"/> Methods were appropriate for study design. |

Are the results important?

- | |
|---|
| <input type="checkbox"/> The study was powered appropriately. |
| <input type="checkbox"/> All relevant statistics and results were reported accurately and completely. |
| <input type="checkbox"/> All conclusions were reported accurately and completely. |
| <input type="checkbox"/> Areas of future research were described. |

Are the results applicable to my patients?

- | |
|---|
| <input type="checkbox"/> The results were applicable to my patients. |
| <input type="checkbox"/> The treatment/methods are feasible in my clinical setting. |
| <input type="checkbox"/> Benefits were worth the potential harms and costs. |
| <input type="checkbox"/> Results address my patients' values and expectations. |

NAME _____

**KU School of Medicine-Wichita
Internal Medicine Residency Program
Journal Club
Meta-analysis Article Evaluation**

Reference

Research Question/Hypothesis

Are the results likely to be valid?
--

- | |
|---|
| <input type="checkbox"/> The overview addressed a focused clinical question. |
| <input type="checkbox"/> Appropriate criteria were used to select articles for inclusion. |
| <input type="checkbox"/> It was unlikely that important, relevant articles were missed. |
| <input type="checkbox"/> Validity of included studies was appraised. |
| <input type="checkbox"/> Assessments of the studies was reproducible. |
| <input type="checkbox"/> Results were similar from study to study. |

Are the results important?

- | |
|---|
| <input type="checkbox"/> All relevant statistics and results were reported accurately and completely. |
| <input type="checkbox"/> All conclusions were reported accurately and completely. |
| <input type="checkbox"/> Areas of future research were described. |

Are the results applicable to my patients?

- | |
|---|
| <input type="checkbox"/> The results were applicable to my patients. |
| <input type="checkbox"/> The treatment/methods are feasible in my clinical setting. |
| <input type="checkbox"/> Benefits were worth the potential harms and costs. |
| <input type="checkbox"/> Results address my patients' values and expectations. |