# JOURNAL CLUB TEMPLATE

# Journal Club Pre-Session Handout

Date & Time: [Insert Date & Time]

Topic: [Insert Journal Club Topic]

Resident Leads: [Resident Name(s), MD]

Faculty Leads: [Faculty Name(s), MD/DO, etc.]

## Purpose

This journal club session will focus on reviewing and critically appraising recent literature relevant to anesthesiology practice. The discussion emphasizes evidence interpretation, clinical application, and resident-led teaching.

## Topic

[Insert Journal Club Topic Here]

## Objectives

1. Practice critical appraisal skills using a structured checklist (validity, results, applicability).
2. Interpret effect sizes and confidence intervals, moving beyond p-values.
3. Apply findings to clinical vignettes relevant to anesthesia practice.
4. Recognize the limits of generalizing study findings to diverse patient populations and practice settings.

Note: Sessions emphasize active discussion over lecture, linking appraisal skills directly to PBLI (Practice-Based Learning and Improvement) milestones.

## Articles for Review

1. [Author et al., Journal, Year — Article Title]

2. [Author et al., Journal, Year — Article Title]

3. [Author et al., Journal, Year — Article Title]

## Pre-Work Instructions

1. Before the session:

* Read all assigned articles.
* Complete the Critical Appraisal Checklist (1–2 bullet points per question).
* Prepare a BLUF (Bottom Line Up Front) one-sentence summary for your assigned article.
* Bring notes to guide group discussion.

2. Deliverables:

* Completed checklist (per primary article).
* BLUF statement (1 sentence per article).
* Be ready to discuss clinical relevance and practice application.

## Critical Appraisal Checklist

1. Are the results valid? (Internal Validity)

* Was randomization adequate?
* Was allocation concealed?
* Who was blinded (if anyone)?
* Were baseline characteristics similar?
* Was ITT analysis performed?
* Were crossovers or missing data important?

2. What were the results? (Magnitude & Precision)

* Effect sizes: HR, OR, CI, ARR, NNT/NNH?
* Were results clinically meaningful or only statistically significant?
* Were harms/adverse effects reported?
* Any time-course patterns?

3. Will these results help my patients? (Applicability)

* Does the study population match our patients?
* Are the outcomes patient-centered?
* Any barriers in our practice (resources, staffing, protocols)?
* How might local pathways differ?

## PICO at a Glance

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Study | Population (P) | Intervention (I) | Comparison (C) | Outcomes (O) | Time (T) |
| [Insert] | [Insert] | [Insert] | [Insert] | [Insert] | [Insert] |
| [Insert] | [Insert] | [Insert] | [Insert] | [Insert] | [Insert] |
| [Insert] | [Insert] | [Insert] | [Insert] | [Insert] | [Insert] |

## Key Reminders

* [Insert 2–3 bulleted take-home points specific to this topic once chosen.]
* Emphasize both the strengths and limitations of each study.
* Connect findings to local practice and patient care.

## PBLI Milestone Integration

|  |  |  |
| --- | --- | --- |
| Milestone | Description | How This Session Links |
| PBLI 2 | Incorporates Evidence into Practice | Residents critique validity, interpret results, and apply findings to cases |
| PBLI 3 | Analyzes Practice to Improve | Residents question how findings apply to patient care in our setting |
| PBLI 4 | Scholarship and Teaching | Residents practice BLUFs, facilitate discussion, and teach critical appraisal |

## References

1. [Insert citation]

2. [Insert citation]

3. [Insert citation]