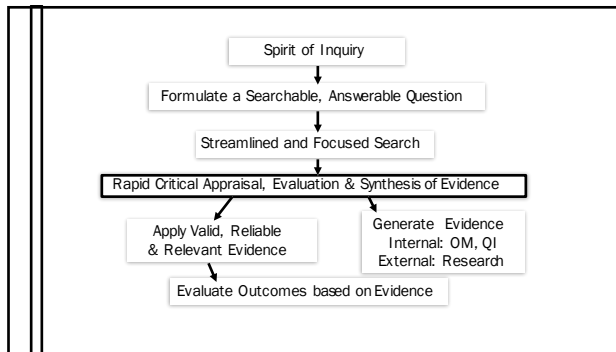


# SYNTHESIZING THE EVIDENCE

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<h3>Evaluation</h3> <ul style="list-style-type: none"> <li>■ Elements essential to evaluate the study and important to the PICOT</li> <li>■ Other parameters that are important eg Stats that answer the question</li> <li>■ Sequence of information is consistent</li> <li>■ Abbreviations are key</li> <li>■ Legend is critical</li> </ul>	<h3>Synthesis</h3> <ul style="list-style-type: none"> <li>■ Data extracted from evaluation table</li> <li>■ Includes consistencies and inconsistencies across studies</li> <li>■ Level of evidence</li> <li>■ Findings that are common and unique to the studies e.g. outcomes, interventions</li> <li>■ Sequence/organized/symbols for simplicity</li> </ul>
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### Evaluation Table

Items of interest to determine if the evidence is valid, reliable, and applicable to your population

- Author (year) Reverse Chronology

Small (2010)					
James (2008)					

### Evaluation Table

Items of interest to determine if the evidence is valid, reliable, and applicable to your population

- Author (year) Reverse Chronology
- Design (research study)
- Framework (if reported)

Article	Design	Framework			
Small (2010)	RCT Intent to treat Attrition: none	NR			
James (2008)	RCT				

### Evaluation Table

Items of interest to determine if the evidence is valid, reliable, and applicable to your population

- Author (year) Reverse Chronology
- Design (research study)
- Framework (if reported)
- Sample /Setting

Article	Design	Framework	Sample Setting		
Small (2010) Name of article	RCT Intent to treat Attrition: none	NR	n = 166 IV 83 C 83 Surgical ICU		
James (2008)	RCT				

### Evaluation Table

Items of interest to determine if the evidence is valid, reliable, and applicable to your population

- Author (year) Reverse Chronology
- Design (research study)
- Framework (if reported)
- Sample /Setting
- Variables IV, DV

Article	Design	Framework	Sample Setting	IV DV	
Small (2010) Name of article	RCT Intent to treat Attrition: none	NR	n = 166 IV 83 C 83  Surgical ICU	IV Music DV Pain	
James (2008)	RCT				

### Evaluation Table

Items of interest to determine if the evidence is valid, reliable, and applicable to your population

- Author (year) Reverse Chronology
- Design (research study)
- Framework (if reported)
- Sample /Setting
- Variables IV, DV
- Measurement
- Data Analysis

Article	Design	Framework	Sample Setting	IV DV	Measure ment	Data Analysis
Small (2010) Name of article	RCT Intent to treat Attrition : none	NR	n = 166 IV 83 C 83  Surgical ICU	IV Music DV Pain	VAS Chron-bach .80	T-test M (SD) ES P <.05
James (2008)	RCT					

### Evaluation Table

Items of interest to determine if the evidence is valid, reliable, and applicable to your population

- Author (year) Reverse Chronology
- Design (research study)
- Framework (if reported)
- Sample /Setting
- Variables IV, DV
- Measurement
- Data Analysis
- Findings

Article	Design	Framework	Sample Setting	IV DV	Measure ment	Data Analysis	Findings
Small (2010) Name of article	RCT Intent to treat Attrition: none	NR	n = 166 IV 83 C 83  Surgical ICU	IV Music DV Pain	VAS Chronbach .80	T-test M (SD) ES P <.05	POD 2 IV(3,2,3) C(5,1,7)  P<0.001
James (2008)	RCT						

### Evaluation Table

Items of interest to determine if the evidence is valid, reliable, and applicable to your population

- Author (year) Reverse Chronology
- Design (research study)
- Framework (if reported)
- Sample /Setting
- Variables IV, DV
- Measurement
- Data Analysis
- Findings
- Applicability

Article	Design	Framework	Sample Setting	IV DV	Measure ment	Data Analysis	Findings	Applicability
Small (2010) Name of article	RCT Intent to treat Attrition : none	NR	n = 166 IV 83 C 83  Surgical ICU	IV Music DV Pain	VAS Chronbach .80	T-test M (SD) ES P <.05	POD 2 IV(3,2,3) C(5,1,7)  P<0.001	IDE: II Similar population  No risk/harm VAS widely used Affordable
James (2008)	RCT							

### Your Turn

Chlorhexidine decreases the risk of ventilator-associated pneumonia in intensive care unit patients: a randomized, doubleblind controlled study

Ozaka, et al (2012). J Periodont Research 47, 584-592

### Synthesis Table

Select components to apply in evaluation and synthesis tables

Article	Population	Surgey	Intervention	Pain	LOE

## Synthesis Table

Article	Population	Surgery	Intervention	Pain	LOE
Small	Adult	ABD	30° TID and pm		II
James	Adult	CABG	20° BID		II
Victry	Adult	General	30° q9h		II
Boyle	Adult	CABG	30° TID		II
Manson	Adult	THR	30° BID and pm		II