

# Structuring Introductions and Conclusions

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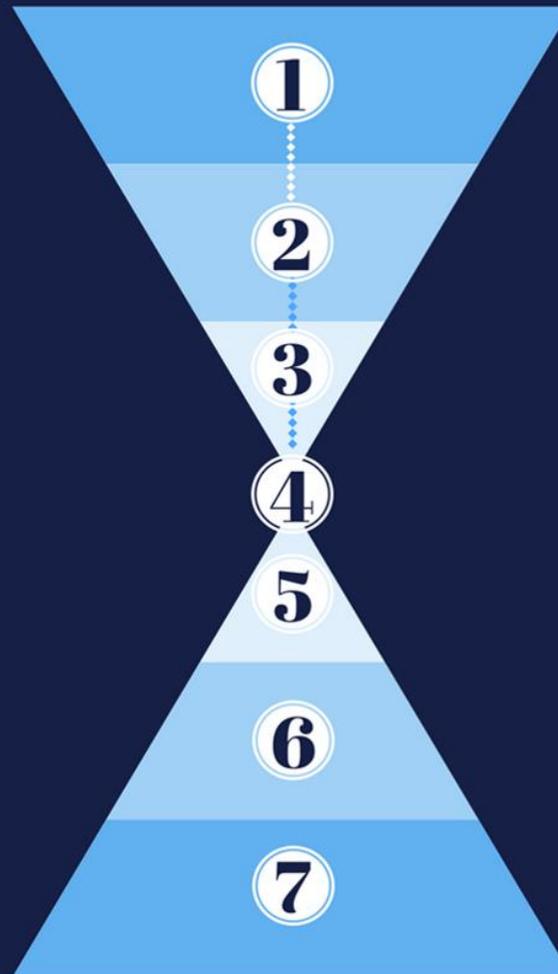
# Objectives

- ▶ By the end of this presentation, you should be able to:
  - ▶ Understand the basic structure of an introduction and conclusion
  - ▶ Identify the components of an introduction
  - ▶ Create an introduction and conclusion for a narrative review

# THE ANATOMY OF A SCIENTIFIC PAPER



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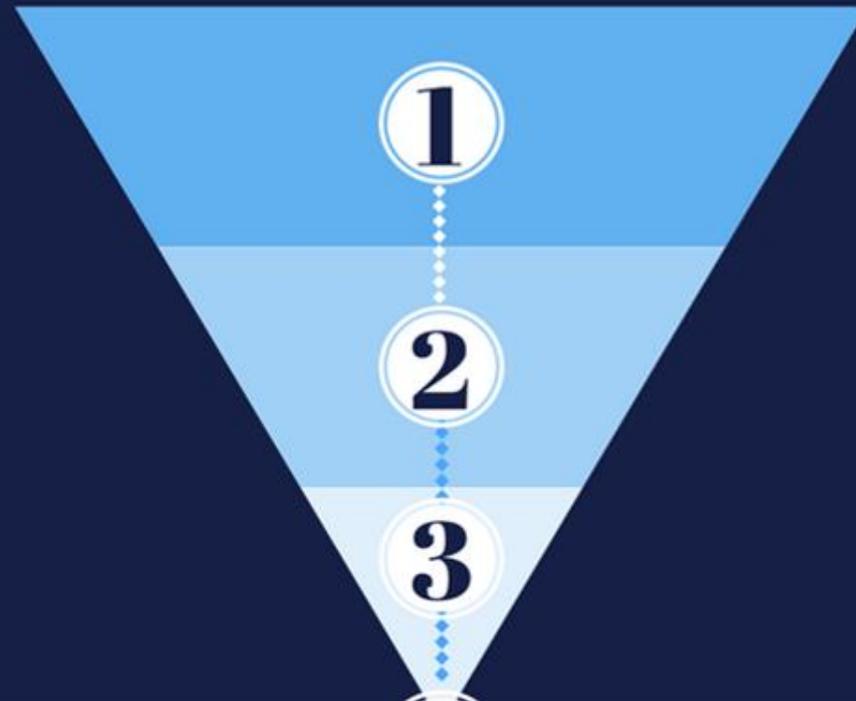
- 1** INTRODUCTION:  
What is known?  
(Our understanding of the world)
- 2** What is unknown?  
(What's the gap we want to fill?)
- 3** How and why should we fill the gap?  
(Your rationale and purpose/hypothesis)
- 4** METHODS:  
What did you do?
- 5** RESULTS:  
What results did you get?
- 6** DISCUSSION:  
How do the results fill the gap?
- 7** CONCLUSION:  
What does this mean for us going forward?

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# Example: Manuscript Introduction

- ▶ Upper GI Bleeding in Patients on Oral Anticoagulants in a VA Anticoagulation Service: Risk Factor Analysis
- ▶ 1. What is known?
  - ▶ Oral anticoagulants are good at preventing clots but have a risk of bleeding
  - ▶ There are several known risk factors that increase risk of GI bleeding
- ▶ 2. What is the gap in knowledge?
  - ▶ Expert consensus guidance for GI ppx does not identify which patients are at high risk for GI bleed
- ▶ 3. What is the purpose of our project?
  - ▶ Identify if some known risk factors for upper GI bleeding are more likely to cause upper GI bleeding



# Example: Narrative Review Introduction

CHANGING LANDSCAPE IN PEDIATRIC FOOD ALLERGY PREVALENCE

- 
- ▶ “Pediatric food allergies in America are on the rise, leaving many wondering why this is the “new normal” for some families. In the past decade, it is estimated that general food allergies have increased by 18% and peanut allergies by 80%. The current primary literature has identified the negative social, economic, and physiologic effects food allergies have on patients and their families. This presents the field of pharmacy with unique opportunities to conduct research, administer and counsel on treatments, be resources to families, and play supportive roles in hopes to improve the quality of life for individuals experiencing food allergies. Collaborative referrals explained in this review between pharmacists and other healthcare professionals have the potential to help families navigate the healthcare system. This manuscript aims to connect the current literature on allergy management and the social, economic, and physiological burdens it has on the children and families with the value of incorporating pharmacists more frequently in allergy treatment.”

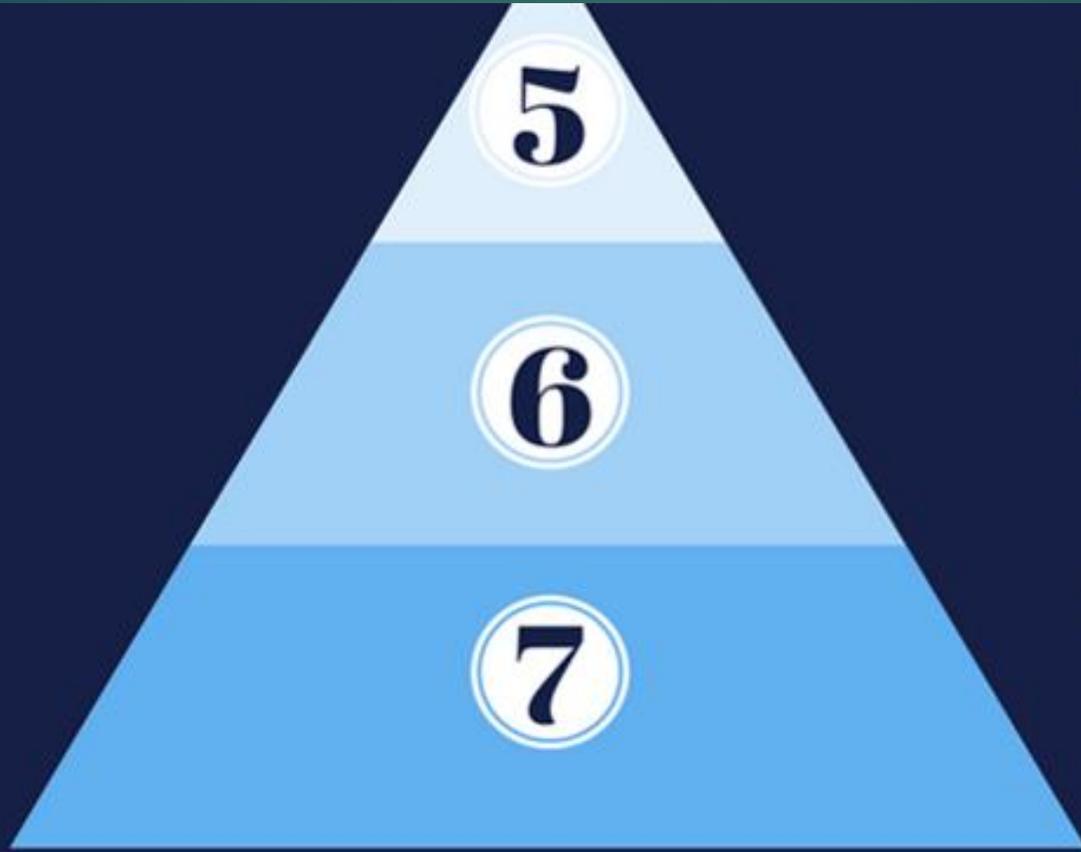
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# Importance of Citations

- ▶ Make sure to include citations for background information in your introduction



**5** RESULTS:  
What results did you get?

**6** DISCUSSION:  
How do the results fill the gap?

**7** CONCLUSION:  
What does this mean for us going forward?

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# Conclusion: Narrative Review

1

1. Restate research topic

2

2. Restate purpose/thesis

3

3. Summarize the main points of your paper

4

4. Connect significance of your results to practice

5

5. Conclude your thoughts

- 
- ▶ “As care decisions continue to transition from being provider- to patient-driven, it is becoming more important to ensure that research is being shared with the public [23]. It is also important for readers to comprehend the content [22]. This will allow patients or their caregivers to use that information to make informed decisions about their care. By using the techniques found in this article, authors can improve the readability of their text and help make their research more accessible to a lay audience. Text that is easier to read and comprehend is more likely to be shared on virtual platforms like social media sites. This has the potential to have a positive impact both on web-based informatic scores, such as altmetrics, and on patient outcomes.”

# Writing Exercise

- ▶ You are writing a narrative review on pharmacist's role in the opioid crisis.
- ▶ The purpose of this article was to illustrate areas where pharmacists could expand their role



# Questions?

THANK YOU!

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