

Evaluating Manuscripts for Clinical Practice, Residency Training and Peer Review
Live Virtual Course | Date: December 5-6, 2024

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DAY 1 Thursday, December 5, 2024		
Time (Mountain Time)	Topic	Presenter(s)
8:30-8:45 am	Welcome and Introductions	<i>Dr. Linda Kidd</i>
8:45-9:45 am	Appropriate Framing of a Research Question <ul style="list-style-type: none"> To be able to dissect a research study using the PICOT approach. To be able to evaluate whether the published components of PICOT adequately address the research question(s) To consider whether the chosen components of the study design make the study generalizable to your own clinical practice. 	<i>Dr. Lauren Trepanier</i>
9:45-10:45 am	Study Designs' Inherent Problems <ul style="list-style-type: none"> Study designs' strengths and weaknesses in answering research questions or hypotheses The problem of error – random and systematic Associations and your ABCs, including confounding Internal & external validity 	<i>Dr. George Moore</i>
10:45-11:00 am	Break	
11:00am - 12:00 pm	Working With and Reporting Data of Different Types <ul style="list-style-type: none"> Chance, probability, and P-values Error (alpha and beta) Data types for independent variables and the outcome(s) of interest -The hypothesis question: How much? If? When?] Expressing and summarizing data for the PICO parts -Effect size, values, and confidence intervals (CIs) 	<i>Dr. George Moore</i>
12:00-1:00 pm	Lunch	

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DAY 1 (continued) Thursday, December 5, 2024		
Time (Mountain Time)	Topic	Presenter(s)
1:00-2:00 pm	Statistical Comparisons: Is There Truly a Difference? <ul style="list-style-type: none"> • Comparisons (different superiority tests) relative to the question being asked/answered <ul style="list-style-type: none"> -Bivariate/univariate and multivariable • Multiple subgroups and multiple comparisons 	<i>Dr. George Moore</i>
2:00-3:00 pm	Less Common Statistical Methods <ul style="list-style-type: none"> • Survival, or time-to-event, analysis • Censored data • Sample size, “finding” a difference, and “pilot” studies • Equivalence and non-inferiority testing • Microbiome/microbiota, and other less common studies 	<i>Dr. George Moore</i>
3:00-3:15 pm	Break	

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DAY 1 (continued) Thursday, December 5, 2024		
Time (Mountain Time)	Topic	Presenter(s)
3:15-4:15 pm	Reviewing Manuscripts for Clinical Practice or Peer Review <ul style="list-style-type: none"> • Exposure and outcome • What was the study design and why does it matter? • A simple algorithmic approach to the identification of study design • Study design characteristics: Legitimate conclusions from different designs • Hierarchy of evidence 	<i>Dr. Annette Litster</i>
4:15-5:15 pm	Panel Discussion: Appropriately Framing and Answering Research Questions: Why Do I Need to Know?	<i>Dr. Lauren Trepanier, Dr. George Moore, Dr. Annette Litster</i> <i>Moderator: Dr. Linda Kidd</i>

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DAY 2 Friday, December 6, 2024		
Time (Mountain Time)	Topic	Presenter(s)
12:00 – 1:00 pm	Lunch and Learn – Presented by Purina Institute	
1:00-2:00 pm	How to Provide an Impactful Review <ul style="list-style-type: none"> • Discuss evaluation of the architecture of a scientific manuscript with a focus on providing meaningful review commentary. • Content vs. syntax in reviews • On the use of tables, graphs, and figures in manuscripts • Fixable vs unfixable errors 	<i>Dr. Benjamin Brainard</i>
2:00-2:30 pm	The Role of AI in Publishing <ul style="list-style-type: none"> • Know how to use AI to write faster and better • Know how to disclose the use of AI in publications • Identify the limitations and unethical applications of AI in publishing 	<i>Dr. Dominique Griffon</i>
2:30-2:45 pm	Break	
2:45-3:45 pm	Understanding the Editorial and Peer Review Process: Nuts and Bolts <ul style="list-style-type: none"> • Now that the paper is written, the next part shouldn't take too long, should it? One example of the step-by-step process of peer review • Journal choice and manuscript submission • How to read a journal article for review: Nine steps to Nirvana • Your questions 	<i>Dr. Annette Litster</i>

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DAY 2 (continued) Friday, December 6, 2024		
Time (Mountain Time)	Topic	Presenter(s)
3:45-4:45 pm	<p>How the Editorial Process Affects Publication Quality and Impacts Interpretation of Manuscripts</p> <ul style="list-style-type: none"> Defining the scope of the journal and ensuring it is considered at all levels of the editorial process Setting editorial standards Oversight of the editorial board and review process The importance of the review process in manuscript quality The importance of careful editing on clarity of message and manuscript quality The impact of publishing model on manuscript quality, impact and accessibility 	<p><i>Dr. Ken Hinchcliff, Dr. Steve Dibartola</i></p>
4:45-5:00 pm	Break	
5:00-6:00 pm	<p>Panel Discussion: How Differences in Journal Editorial Process Affects Interpretation of the Literature</p>	<p><i>Dr. Annette Litster, Dr. George Moore, Dr. Ken Hinchcliff, Dr. Steve Dibartola, Dr. Dominique Griffon, Dr. Lisa Fortier</i></p> <p><i>Moderator: Dr. Linda Kidd</i></p>
6:00 pm	Closing Remarks	