

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	How to Frame a Research Question <ul style="list-style-type: none"> Introduces PICO/PECO formatting to clearly define research questions as a first and vital step to determine if research questions in a given study were framed appropriately and answered by the study design. 	<i>Dr. Lauren Trepanier</i>
9:45-10:45 am	Using Statistical Tests to Answer Research Questions <ul style="list-style-type: none"> Concepts of bias, confounding, and chance Answering Clinical Research Questions: Which study Design? Review of types of study designs, their strengths and weaknesses. Data collection and entry, and conceiving data questions Samples and SS calculation, power, error, error types, confidence, writing specific questions for the analyst. Reporting data and comparisons of nominal and of numerical data for 1, 2, or 3-plus groups from univariate, bivariate, or multivariate analyses; Kaplan Meyer curves etc. 	<i>Dr. George Moore</i>
10:45-11:00 am	Break	
11:00am - 12:00 pm	Using Statistical Tests to Answer Research Questions <ul style="list-style-type: none"> Concepts of bias, confounding, and chance Answering Clinical Research Questions: Which study Design? Review of types of study designs, their strengths and weaknesses. Data collection and entry, and conceiving data questions Samples and SS calculation, power, error, error types, confidence, writing specific questions for the analyst. Reporting data and comparisons of nominal and of numerical data for 1, 2, or 3-plus groups from univariate, bivariate, or multivariate analyses; Kaplan Meyer curves etc. 	<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	<p>Using Statistical Tests to Answer Research Questions</p> <ul style="list-style-type: none"> • Concepts of bias, confounding, and chance • Answering Clinical Research Questions: Which study Design? Review of types of study designs, their strengths and weaknesses. • Data collection and entry, and conceiving data questions • Samples and SS calculation, power, error, error types, confidence, writing specific questions for the analyst. • Reporting data and comparisons of nominal and of numerical data for 1, 2, or 3-plus groups from univariate, bivariate, or multivariate analyses; Kaplan Meyer curves etc. 	Dr. George Moore
2:00-3:00 pm	<p>Using Statistical Tests to Answer Research Questions</p> <ul style="list-style-type: none"> • Concepts of bias, confounding, and chance • Answering Clinical Research Questions: Which study Design? Review of types of study designs, their strengths and weaknesses. • Data collection and entry, and conceiving data questions • Samples and SS calculation, power, error, error types, confidence, writing specific questions for the analyst. • Reporting data and comparisons of nominal and of numerical data for 1, 2, or 3-plus groups from univariate, bivariate, or multivariate analyses; Kaplan Meyer curves etc. 	Dr. George Moore
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)
1:00-2:00 pm	Mistakes in Manuscripts <ul style="list-style-type: none"> • Common mistakes and how they can be avoided • Examples from the field • Identifying flaws in research design or methodology when reading the literature • Common statistical mistakes in manuscripts 	<i>Dr. Benjamin Brainard</i>
2:00-2:30 pm	The Role 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 I've written the paper, 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	