

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

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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"> <li>• Comparisons (different superiority tests) relative to the question being asked/answered               <ul style="list-style-type: none"> <li>-Bivariate/univariate and multivariable</li> </ul> </li> <li>• Multiple subgroups and multiple comparisons</li> </ul>	<i>Dr. George Moore</i>
2:00-3:00 pm	Less Common Statistical Methods <ul style="list-style-type: none"> <li>• Survival, or time-to-event, analysis</li> <li>• Censored data</li> <li>• Sample size, “finding” a difference, and “pilot” studies</li> <li>• Equivalence and non-inferiority testing</li> <li>• Microbiome/microbiota, and other less common studies</li> </ul>	<i>Dr. George Moore</i>
3:00-3:15 pm	<b>Break</b>	

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<b>DAY 1 (continued)</b> <b>Thursday, December 5, 2024</b>		
<b>Time (Mountain Time)</b>	<b>Topic</b>	<b>Presenter(s)</b>
3:15-4:15 pm	Reviewing Manuscripts for Clinical Practice or Peer Review <ul style="list-style-type: none"> <li>• Exposure and outcome</li> <li>• What was the study design and why does it matter?</li> <li>• A simple algorithmic approach to the identification of study design</li> <li>• Study design characteristics: Legitimate conclusions from different designs</li> <li>• Hierarchy of evidence</li> </ul>	<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	<p><b>Lunch and Learn – Presented by Purina Institute</b> Incorporating Nutrition into Clinical Studies</p> <ul style="list-style-type: none"> <li>Identify components of a nutritional assessment and the importance of obtaining an accurate nutritional assessment during clinical studies.</li> <li>Learn the key components of a diet history, diet evaluation, and patient assessment, and why these are important tools for clinical studies.</li> <li>Discuss strategies to make nutritional recommendations and to use nutritional monitoring to help improve study compliance and outcomes</li> </ul>	<i>Dr. Jennifer Larsen</i>
1:00-2:00 pm	<p>How to Provide an Impactful Review</p> <ul style="list-style-type: none"> <li>Discuss evaluation of the architecture of a scientific manuscript with a focus on providing meaningful review commentary.</li> <li>Content vs. syntax in reviews</li> <li>On the use of tables, graphs, and figures in manuscripts</li> <li>Fixable vs unfixable errors</li> </ul>	<i>Dr. Benjamin Brainard</i>
2:00-2:30 pm	<p>The Role of AI in Publishing</p> <ul style="list-style-type: none"> <li>Know how to use AI to write faster and better</li> <li>Know how to disclose the use of AI in publications</li> <li>Identify the limitations and unethical applications of AI in publishing</li> </ul>	<i>Dr. Dominique Griffon</i>
2:30-2:45 pm	<b>Break</b>	
2:45-3:45 pm	<p>Understanding the Editorial and Peer Review Process: Nuts and Bolts</p> <ul style="list-style-type: none"> <li>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</li> <li>Journal choice and manuscript submission</li> <li>How to read a journal article for review: Nine steps to Nirvana</li> <li>Your questions</li> </ul>	<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"> <li>Defining the scope of the journal and ensuring it is considered at all levels of the editorial process</li> <li>Setting editorial standards</li> <li>Oversight of the editorial board and review process</li> <li>The importance of the review process in manuscript quality</li> <li>The importance of careful editing on clarity of message and manuscript quality</li> <li>The impact of publishing model on manuscript quality, impact and accessibility</li> </ul>	<p><i>Dr. Ken Hinchcliff, Dr. Steve DiBartola</i></p>
4:45-5:00 pm	<b>Break</b>	
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	<b>Closing Remarks</b>	