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| <b>Day 1</b> | <b>Academy of Medical Sciences London</b>   |                      |
| 11:00        | <i>Registration- refreshments available</i>   |                      |
| 11:30        | <b>Introductions and Welcome</b>  | Emma Tomlinson       |
| 11:35-12:05  | <p><b>1- Introduction to evidence: trials and systematic reviews</b></p> <p>Delegates will learn</p> <ol style="list-style-type: none"> <li>1) To understand the role of trials and reviews in evidence based health care</li> <li>2) To identify key features of randomised trials and systematic reviews</li> <li>3) To recognise the value of trials and reviews to health care</li> </ol>   | Prof Mike Clarke     |
| 12:05- 12:35 | <p><b>2- <sup>1</sup>Statistical design and analysis of trials</b></p> <p>Delegates will learn</p> <ol style="list-style-type: none"> <li>1) How study design, conduct and analysis affects internal validity and risk of bias in a trial;</li> <li>2) Important considerations when estimating study sample size;</li> <li>3) Approaches to analysing trial data</li> </ol>  | Prof Alan Montgomery |
| 12:35- 13:10 | <i>Working lunch</i>  |                      |
| 13:10-14:00  | <p><b>3- Large scale trials that inform policy and practice- what they are and mean</b></p> <p>Delegates will learn</p> <ol style="list-style-type: none"> <li>1) To understand the role and importance of large scale and pragmatic trials</li> <li>2) To identify key design features of large scale and pragmatic trials</li> <li>3) The different roles of large scale trials compared with smaller explanatory trials</li> </ol> | Prof Jane Blazeby    |
| 14:00-14:30  | Group working-Exercise to examine external validity of example trials   | The Panel            |
| 14:30-15:10  | <p><b>4- <sup>2</sup>Principles of good trial conduct</b></p> <p>Delegates will learn</p> <ol style="list-style-type: none"> <li>1) The importance of trial governance and role of committees</li> <li>2) The need for good planning, IT and working with trials units</li> <li>3) Process and outcome monitoring</li> </ol>  | Prof Jane Armitage   |
| 15:30- 15:50 | <i>Refreshment break</i>  |                      |
| 15:50- 17:50 | Group working session 1. Design your own trial in   | The Panel            |

<sup>1</sup> Sessions 2 and 3 on this agenda were planned to be reversed, with the introduction from JB as an opening talk, however due to travel issues on the day the agenda was adjusted. If we ran the workshop again, we would revert to the original agenda.

<sup>2</sup> JA's two talks evolved into discussion sessions, working with JB on delivering a more interactive discussion on these areas, providing real examples of issues to consider.

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|-------|---|-------------------|
|       | teams, to pitch to the Dragons Den                |                   |
| 17:50 | Summary of the day                                | Prof Jane Blazeby |
| 18:15 | <i>Dinner and drinks reception and networking</i> |                   |

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|--------------|---|------------------------------|
| <b>Day 2</b> | <b>Academy of Medical Sciences London</b>   |                              |
| 08:30        | <i>Start of day 2</i>   |                              |
| 08:30        | <b>Welcome and introduction to day 2</b>  | Prof Jane Blazeby            |
| 08:30-10:00  | Group working session further planning of the trial in teams 90 minutes<br><i>Refreshments available</i>  | The Panel                    |
| 10:00-10:40  | <b>5- Recruiting on time and target</b><br><br>Delegates will learn<br><ol style="list-style-type: none"> <li>1) The relationship between eligibility, willingness and ability to randomise and the role of a pre-randomised run-in</li> <li>2) The barriers to and predictors of recruitment</li> <li>3) Methods for monitoring recruitment</li> </ol>   | Prof Jane Armitage           |
| 10:40- 11:00 | <b>6- Clinicians and methodologists: it's good to talk</b><br><br>Delegates will learn<br><ol style="list-style-type: none"> <li>1) Good trials result when clinicians and methodologists work effectively together</li> <li>2) Clinicians need to learn and feel confident about trials methodology</li> <li>3) Methodologists need to understand the clinical environment and how to communicate with clinicians</li> </ol> | Prof Tony Marson             |
| 11:00- 12:15 | <b>Group working session- final planning</b> ( <i>includes refreshments</i> )   | The Panel                    |
| 12:15- 12:30 | <i>Working lunch</i>  |                              |
| 12:30- 14:00 | <b>The Den – teams pitch their ideas to the Dragons!</b>  | The Panel                    |
| 14:00-14:15  | <i>Refreshment break-</i> Panel to consider the pitches   |                              |
| 14:15- 14:25 | <b>Results of the Dragons Den-</b> the winner and why   | The Panel                    |
| 14:25 14:55  | <b>Plenary: The importance of RCTs to patients, clinicians and the health service</b>   | Prof Tom Walley<br>FRCP, CBE |
| 15:00        | <b>Close of meeting and summary</b>   | Prof Jane Blazeby            |

