



## WORKING GROUP MEETING MINUTES: Technologies Working Group

20<sup>th</sup> March 2025  
REG Summit London

| Meeting details  |   |  |
|------------------|---|--|
| Meeting location | Royal College of Physicians, London / MS Teams  |  |
| Meeting date     | Thursday 20 <sup>th</sup> March 2025  |  |
| Meeting time     | 14.00-15.00 local time  |  |
| Chair(s)         | Ron Dandurand   |  |
| Attendees        | Amy Chan<br>Liam Clutterbuck<br>Ron Dandurand<br>Andy Dickens<br>Helena Emery<br>Ganriela Ispas<br>Therese Lapperre<br>Graham Lough | Adam Marsh<br>Alexander Mathioudakis<br>Jacqui Melville<br>Maryam Nkala<br>Ron Pasewald<br>Kay Roy<br>Guilherme Safioti<br>Holly Tibble<br>Job Van Boven |
| Objectives       |   |  |
| 1                | Potential mission statement   |  |
| 2                | Potential nebulizer projects  |  |
| 3                | ISAR oscillometry awareness KAPA  |  |
| 4                | Inventory of available technologies for retrospective and prospective use   |  |
| 5                | Connect CRC repository of digital respiratory technologies  |  |
| 6                | Engagement with other working groups  |  |

| Items                       |  |
|-----------------------------|--|
| Potential mission statement | <p>The mission statement / purpose of the group was highlighted.</p> <ul style="list-style-type: none"><li>• REG working groups should be provided a catalogue of available technologies / databases available for retrospective study.</li><li>• Help foster understanding of function of technologies.</li><li>• Promote networking between working groups.</li><li>• Promote awareness and prospective deployment of emergent technologies.</li></ul> |



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| Potential nebulizer projects  | The group highlighted potential limitations of projects involving nebulizers, due to use only after hospitalisation.   |
| ISAR oscillometry awareness KAPA  | Ron provided details of an Ecuadorian study looking to identify awareness /barriers to oscillometry use.<br>It was suggested that using the REG extended network was a good opportunity to do a global survey.<br>There is potential for use of 1000Minds to highlight barriers.   |
| Inventory of available technologies for retrospective and prospective use | Ron talked about different technologies available: <ul style="list-style-type: none"><li>• Whole and intra-breath oscillometry</li><li>• Classic qCT parameters</li><li>• Geometric transforms of CT and OCT data</li><li>• Mucus plug gCT</li><li>• Extra-pulmonary qCT</li></ul> |
| Connect CRC repository of digital respiratory technologies                | Job provided an outline of the CRC repository and encouraged working group members to join with their respective technologies.   |
| Engagement with other working groups                                      | A list of other working groups was provided and it was pressed that better interaction between working groups should be prioritised.<br>A meeting of working group chairs to highlight group projects was suggested.   |
| Action Points   | <ul style="list-style-type: none"><li>• The KAPA study team will be contacted by Ron with suggestions for their project.</li><li>• It will be raised that working group chair meetings are desired.</li></ul>  |