TELEHEALTH STUDY –
CLINICAL TRIALS FOR ELDERLY PATIENTS WITH
MULTIPLE DISEASES (CHROMED)

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on behalf of the European CHROMED team

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Equipment

ResmonPro using non-invasive assessment of the respiratory function based on Forced Oscillation Technique (FOT).

Symptoms questionnaires tailored to co-morbidities.

• Heart rate
• 1 lead ECG
• Blood pressure
• Heart rhythm regularity
• Respiratory rate
• Oxygen saturation (SpO2)
• Body temperature.

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Feasibility study -Main findings

• 16 patients (COPD =11, COPD+CHF =5)
• Total of 504 patient monitoring days.
• Percentage data correctly received was:

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<table>
<thead>
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<tbody>
<tr>
<td>Lung impedance and breathing pattern</td>
<td>90.0%</td>
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<tr>
<td>Heart rate and B/P</td>
<td>91.7%</td>
</tr>
<tr>
<td>SpO2</td>
<td>74.0%</td>
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<tr>
<td>Body temperature</td>
<td>71.4%</td>
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• System identified a warning five days prior to admission.