ADNI Clinical Core

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Vancouver
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ADNI 2 Enrollment Update

• 57 sites approved
• Subjects screened: 826
• Screen failures: 226

ADNI 1 continuations to 2: 297
(300 anticipated)
ADNI GO + 2 Enrollment
July, 2012

- CN: Enrolled 165, Target 150
- EMCI: Enrolled 255, Target 300
- LMCI: Enrolled 116, Target 150
- AD: Enrolled 55, Target 150
## ADNI GO + 2 Enrollment
### July, 2012

<table>
<thead>
<tr>
<th>Group</th>
<th>Enrolled</th>
<th>Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>CN</td>
<td>165</td>
<td>150</td>
</tr>
<tr>
<td>EMCI</td>
<td>255</td>
<td>300</td>
</tr>
<tr>
<td>LMCI</td>
<td>116</td>
<td>150</td>
</tr>
<tr>
<td>AD</td>
<td>55</td>
<td>150</td>
</tr>
</tbody>
</table>
ADNI GO + 2 Enrollment by Month
ADNI GO/2 Total Enrollment
# ADNI GO + 2 Baseline
## July, 2012

<table>
<thead>
<tr>
<th></th>
<th>CN n=165</th>
<th>EMCI n=255</th>
<th>LMCI n=116</th>
<th>AD n=55</th>
<th>Combined n=591</th>
<th>P</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age (yrs)</td>
<td>73.8 (6.2)</td>
<td>71.3 (7.5)</td>
<td>71.9 (7.4)</td>
<td>76.0 (8.8)</td>
<td>72.6 (7.4)</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>Female</td>
<td>84 (51%)</td>
<td>115 (45%)</td>
<td>54 (47%)</td>
<td>20 (36%)</td>
<td>273 (46%)</td>
<td>0.290</td>
</tr>
<tr>
<td>Education</td>
<td>16.6 (2.6)</td>
<td>15.9 (2.7)</td>
<td>16.7 (2.5)</td>
<td>15.6 (2.9)</td>
<td>16.2 (2.7)</td>
<td>0.006</td>
</tr>
<tr>
<td>CDR-SB</td>
<td>0.039 (0.146)</td>
<td>1.239 (0.731)</td>
<td>1.707 (1.045)</td>
<td>4.709 (1.671)</td>
<td>1.319 (1.505)</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>ADAS 13</td>
<td>9.4 (4.5)</td>
<td>12.7 (5.4)</td>
<td>18.5 (7.2)</td>
<td>31.0 (8.0)</td>
<td>14.6 (8.5)</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>MMSE</td>
<td>29.0 (1.3)</td>
<td>28.3 (1.6)</td>
<td>27.7 (1.8)</td>
<td>22.8 (1.9)</td>
<td>27.9 (2.3)</td>
<td>&lt;0.001</td>
</tr>
</tbody>
</table>
Baseline

[Graphs showing baseline data for ADAS13, MMSE, CDRSB, and CDR-Memory across different diagnostic categories (CN, EMCI, LMCI, AD).]
ADNI1 Transitions

- NL (229) to MCI (398) with 15+3 transitions
- MCI (398) to AD (192) with 163+2 transitions
- NL (229) to AD (192) with 1 transition

Transitions counts:
- NL to MCI: 15 + 3 = 18
- MCI to AD: 163 + 2 = 165
- NL to AD: 1

Total transitions: 18 + 165 + 1 = 184
Baseline
ECog Memory

- Self
- Partner

CN | EMCI | LMCI | AD
---|-----|-----|-----
1  | 2   | 2   | 4   
1  | 2   | 2   | 3   
1  | 2   | 2   | 3   
1  | 2   | 2   | 4   

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Additional Clinical Group
Alzheimer’s Disease Neuroimaging Initiative

Normal  EMCI  LMCI  AD

aMCI
New Clinical Group

- Cognitively normal
- CDR 0
- Subjective cognitive concern
- LM cutoff scores exclude EMCI
- Need to fulfill current recruitment quotas
## Inclusion Criteria

<table>
<thead>
<tr>
<th>CDR</th>
<th>CN</th>
<th>EMCI</th>
<th>LMCI</th>
<th>AD</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td>0.5</td>
<td>0.5</td>
<td>0.5-1</td>
</tr>
<tr>
<td>MMSE</td>
<td>24-30</td>
<td>24-30</td>
<td>24-30</td>
<td>20-26</td>
</tr>
</tbody>
</table>

### LM-DR (cut-off scores)

<table>
<thead>
<tr>
<th>Educ</th>
<th>CN</th>
<th>EMCI</th>
<th>LMCI</th>
<th>AD</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-7</td>
<td>≥3</td>
<td>3-6</td>
<td>≤2</td>
<td>≤2</td>
</tr>
<tr>
<td>8-15</td>
<td>≥5</td>
<td>5-9</td>
<td>≤4</td>
<td>≤4</td>
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<tr>
<td>≥16</td>
<td>≥9</td>
<td>9-11</td>
<td>≤8</td>
<td>≤8</td>
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</tbody>
</table>

**Dementia**

- CN: No
- EMCI: No
- LMCI: No
- AD: Yes
Thanks