Demographic Factors that Influence Understanding of Clinical Trials and Research Ethics

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How to collect Data

- **Subject**: DCUMC patients and caregiver
  - 370 samples → 339 samples analysed
  - simple random sampling

- **Questionnaire**: 20 items
  - demographic characteristics – 5 items
  - understanding of clinical trial – 11 items
  - understanding of IRB concept – 4 items
Background & Purpose

• Since 2000, clinical trial has been so active in Korea
• 9 regional clinical trial centers
• Awareness of clinical trial and IRB is increasing
• Need to know and understand clinical trial and IRB more extensively

→ Survey to investigate different views in relation to demographic factors
Demographic Characteristics

Subject

- Mid disease patient: 37.8%
- Severe disease patient: 6.5%
- Care giver for mild disease: 20.4%
- Care giver for severe disease: 8.3%
- Others: 15.3%
Demographic Characteristics

Gender

- Male: 40.7%
- Female: 59.3%

Education Level

- High School: 40.5%
- Undergraduate: 56.5%
- Graduate School: 3.1%

Economic Status

- High: 81.8%
- Middle: 15.2%
- Low: 3.0%
Understanding of Clinical Trial

Q: How much do you know?

Gender

Education level
- high school
- undergraduate
- graduate school

Economic status
- high
- middle
- low

(%) 60.0

(%) 60.0

(%) 60.0

0.0 20.0 40.0 60.0
never known a little known just known known well known

p: 0.097

p: 0.001

p: 0.856

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Understanding of Clinical Trial

Q: Asking others to be subject? Yes or No

<table>
<thead>
<tr>
<th>Gender</th>
<th>Yes (%)</th>
<th>No (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
<td>40.2</td>
<td>20.0</td>
</tr>
<tr>
<td>Female</td>
<td>59.8</td>
<td>80.0</td>
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</tbody>
</table>

Q: Intention to be the subject? Yes or No

<table>
<thead>
<tr>
<th>Gender</th>
<th>Yes (%)</th>
<th>No (%)</th>
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</thead>
<tbody>
<tr>
<td>Male</td>
<td>54.8</td>
<td>27.2</td>
</tr>
<tr>
<td>Female</td>
<td>45.2</td>
<td>72.8</td>
</tr>
</tbody>
</table>

p: 0.000
Q: How did you get to know?

Education level

- high school
- undergraduate
- graduate school

TV newspaper book others no idea

p: 0.002
Factors to show statistical significance

- Between gender
  - Intention to be subject again
  - Asking others to be subject
  - Female show more negative response rate

- Education level
  - As education level is higher concept of clinical trial is better recognized and well known.
  - More interested in getting new information on media
Understanding IRB Concept

Q: How much do you know and understand?

Gender

<table>
<thead>
<tr>
<th>Gender</th>
<th>never known</th>
<th>a little known</th>
<th>just known</th>
<th>known</th>
<th>well known</th>
</tr>
</thead>
<tbody>
<tr>
<td>male</td>
<td></td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>female</td>
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Education level

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<th>just known</th>
<th>known</th>
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<tbody>
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<tr>
<td>undergraduate</td>
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<td>graduate school</td>
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Economic status

<table>
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<th>just known</th>
<th>known</th>
<th>well known</th>
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<tbody>
<tr>
<td>high</td>
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<tr>
<td>middle</td>
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<td>low</td>
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p: 0.270

p: 0.000

p: 0.357
Understanding of IRB Concept

Q: How did you get to know?

Education level

- TV
- Newspaper
- Book
- Others
- No idea

P : 0.000

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Factors to show statistical significance

- Education level
  - As education level is higher, concept of IRB is better recognized well known.
  - More interested in getting new information on media

- Economic status
  - As economic status is higher, more interest in getting new information from media
Suggestions

- Much more continuous concern on lower educated class
- New bright and systematic plan centering on lower educated class
- Empower positive mind for female

→ Should be considered to understand clinical trial and IRB concept better
Thank you