HIR
Healthcare Informatics Research

Semi-Structured Interview Format

1. Introduction (5–10 mins)

1) Greeting / Interview background and rationale
2) Agreement and Confirmation(Recording and participation in research)

2. Initiation (3–5 min): Small talk (optional)

1) Sex/ Age
2) Major and Specialty

3. Trends (10 mins)

1) What do you do and how the AI tech is applied over your field? Which field or aspect require AI tech the most?
   - How do you think about level of current health care AI tech? if you are not in the health-care please describe based on your field.
     - Please describe difference between ROK and advanced countries
2) What are the limits of current healthcare AI solutions and technologies?
   - In regards of health care AI, commercialization is very limited under very strict regulations (PIPA , GDPR like privacy issue). What are the alternatives to the Korean Market?

4. Essential Questions (20 mins)

1) What should be the direction of health-care AI?
   - In order to have right direction, what kind of R&D Project shell be needed? If there is idea how do you name your project?
   - Can you presume the kind and needed scale of man-power and resources?
   - What's the role of government and hospitals?
   - Please, draw a brief blue print(action-plan) of your project in a year.
2) What are the component of establishment of health-care AI governance?
3) What if health-care AI spread out enough, what challenges do we need to address?
4) What if Data AI department is established, what are the things government should prepare?

5. Closing (5 mins)

1) Additional Comments related to the topic?

Thank you for your participation!

Figure S1. Semi-structured format of the expert interviews.

Survey on Artificial Intelligence for Healthcare

This survey would like to collect data which requirements from stakeholders about artificial intelligence for healthcare. Please respond to the following short survey.

Q1. Affiliation *

○ Academia

○ Industry

○ Hospital

Q1-1. Department (If you chose 'Hospital')

Long answer text

Q2. Target disease desired to be developed or applied *

Long answer text

Q3. Data (Multiple choice) *

☐ Laboratory test result

☐ Image (CT, MRI, etc.)

☐ Genome

☐ Vital Sign

☐ Radiology or Pathology reports

☐ Medical notes in free-text format including progress reports

☐ Other...

Q4. Solution *

☐ Diagnostic prediction

☐ Prognostic prediction

☐ Treatment

☐ Monitoring

☐ Other...

Figure S2. Survey format for the members of the Korean Society of Artificial Intelligence in Medicine (KOSAIM).