

Protocol:

N-glycan structures will be analyzed by each investigator according to his/her own method.

The maximum amount of 10 mg of Tf and/or IgG will be provided to each investigator.

Each investigator will report

(a) the result of the N-glycan structures and composition,

(b) the methods of analyses such as

1) Released N-glycan by enzymes or chemicals

2) Glycopeptide by proteolytic digestion

(c) profiling and characterization techniques

{ HPLC
Capillary Electrophoresis
Mass spectrometry
 { MALDI TOF
 LC/MS
 CE/MS

Time Schedule for the Pilot Studies:

- Selection of members ended at the end of October, 2004
- Agreements were made by the end of November, 2004
- Samples were prepared and sent to each member by the end of December, 2004
- Analysis was performed until the end of March, 2005
- Evaluation and discussion of data until the end of May, 2005

Protocol for CDG screening in HGPI in Japan
(proposal)

Number of patients to be examined:

20-100 cases/y in Osaka area; 300-1500/y in whole country

Sample collection:

Distribute announcement with diagnostic and sampling protocols to Pediatric Society, and make web page at Osaka MCH.

Analysis:

At Osaka MCH Research Institute (Molecular Medicine Lab.)

Clinic:

At Osaka MCH Hospital

Osaka MCH Osaka Medical Center for Maternal & Child Health