

Persons and institutions involved in the NORIP project

Project group appointed by the national societies of clinical chemistry

Peter Felding, Copenhagen General Practitioners' Laboratory, Copenhagen, Denmark
Leifur Franzson, Reykjavik Hospital, Reykjavik, Iceland
Kristoffer Helsing, EQUALIS, Uppsala, Sweden
Per Hyltoft Petersen, Odense University Hospital, Odense, Denmark
Veli Kairisto, Turku University Central Hospital, Turku, Finland
Pål Rustad, Først Medical Laboratory, Oslo, Norway
Per Simonsson, University Hospital MAS, Malmö, Sweden
Gunnar Skude, County Hospital, Halmstad, Sweden

Persons contributing with vital help and advice to the project group

Adam Uldall, DEKS, Herlev University Hospital, Herlev, Denmark
A key person in most aspects of the project: labels and sample tubes, supervision of production and testing of CAL and X for NORIP purposes, target value assignment and delivery to laboratories, bio-bank, etc.
Heidi Steensland, NKK, Ullevål University Hospital, Oslo, Norway
Started it all and took responsibility for selecting IFCC compatible enzyme method data for the project.
Ari Lahti, Rikshospitalet University Hospital of Oslo, Oslo, Norway
Providing the project with improved principles of partitioning of reference intervals and contributions to the data calculations.
Gunnar Nordin, Arne Mårtensson, EQUALIS, Uppsala, Sweden
Handling the practical aspects of the project in Sweden, also key persons in the haematology part of the project.

Minna Loikkanen, Labquality, Helsinki, Finland
Provision of the method database, providing us with a part of CAL and for the practical aspects concerning the project in Finland.
Ole Blaabjerg, Odense University Hospital, Odense, Denmark
Supervision of production of the controls HIGH and LOW.
Inger Nørgaard, Hjørring Hospital, Hjørring, Denmark
Production of the controls P, HIGH and LOW.

Other persons and institutions

Ivan Brandslund, Vejle Hospital/Vejle Amt, Denmark:
Provision of data registration program free of charge.
Christian Enggaard, Nalge Nunc International
Providing sample tubes free of charge.
Nils Jørgensen, Sønderborg Hospital, Sønderborg, Denmark
Data-handling advice.
Elin Ólafsdóttir, Landspítallinn, Reykjavik, Iceland
Translation of the project description to English.
Kjell Torgeir Stokke, Først Medical Laboratory, Oslo, Norway
The project leader's chief at Først Medical Laboratory, Oslo, for allowing him to have a free hand with this project.
Petter Urdal, Ullevål University Hospital, Oslo, Norway
One of the persons to take the initiative in the project, also the organizer of the seven Norwegian groups who evaluated the NORIP results
Norwegian groups (represented by the leader) evaluating NORIP suggestions for reference intervals
Johan Strømme, Ullevål University Hospital, Oslo
Enzymes

Sverre Marstein, Sentralsykehuset i Vestfold, Tønsberg Bilirubin, uric acid	Sodium, potassium, calcium, magnesium, phosphate
Sissel Strand, Først Medical Laboratory, Oslo Protein, albumin	Yngve Figenschau, University Hospital of North Norway, Tromsø Creatininium, carbamide (urea)
Marit Rynning, Atle Brun, Haukeland Uni- versity Hospital, Bergen Iron, TIBC, glucose	Arne Åsberg, Laboratory of Medical Bio- chemistry, Trondheim University Hospital, Trondheim
Ari Lahti, Rikshospitalet University Hospital, Oslo	Cholesterol, triglyceride, HDL-cholesterol, LDL-cholesterol

TABLE I. NORIP participating laboratories collected the reference samples, did the measurements and provided NORIP with the funds to carry out the project.

Institution	City
Denmark	
Amager Hospital	København
Amtssygehuset i Roskilde	Roskilde
H:S Bispebjerg Hospital	København
Bornholm Centralsygehus	Rønne
Centralsygehuset i Næstved	Næstved
Centralsygehuset, Nykøbing Falster	Nykøbing Falster
H:S Frederiksberg Hospital	Frederiksberg
Herning Sygehus	Herning
Hillerød Sygehus	Hillerød
Holbæk Sygehus	Holbæk
Holstebro Sygehus	Holstebro
H:S Hvidovre Hospital	Hvidovre
Københavns Praktiserende Lægers Laboratorium	København
Odense Universitetshospital	Odense
Randers Centralsygehus	Randers
H:S Rigshospitalet	København
Skejby Sygehus	Århus
Skive Sygehus	Skive
Slagelse Sygehus	Slagelse
Vejle Sygehus	Vejle
Århus Kommunehospital	Århus
Finland	
Etelä-Karjalan keskussairaala	Lappeenranta
Helsingin terveystieteiden laboratorio	Helsinki
Helsingin yliopistollinen keskussairaala	Helsinki
Kainuun keskussairaala	Kajaani
Kanta-Hämeen keskussairaala	Hämeenlinna
Keski-Pohjanmaan keskussairaala	Kokkola
Kuopion yliopistollinen sairaala	Kuopio
Kuusankosken aluesairaala	Kuusankoski
Kymenlaakson keskussairaala	Kotka
Lapin keskussairaala	Rovaniemi
Loimaan aluesairaala	Loimaa
Mikkelin keskussairaala	Mikkeli
Oulun yliopistollinen sairaala	Oulu
Peijaksen sairaala	Vantaa
Pohjois-Karjalan keskussairaala	Joensuu
Päijät-Hämeen keskussairaala	Lahti
Rauman aluesairaala	Rauma
Sairaala Lapponia	Kemijärvi
Salon aluesairaala	Salo
Satakunnan keskussairaala	Pori

TABLE I. (Continued)

Institution	City
Savonlinnan keskussairaala	Savonlinna
Seinäjoen sairaala	Seinäjoki
Tampereen yliopistollinen sairaala	Tampere
Tilkka keskussotilassairaala	Helsinki
Turun yliopistollinen keskussairaala	Turku
Vaasan keskussairaala	Vaasa
Västra Nylands sjukhus	Ekenäs
Iceland	
Fjórðungssjúkrahúsið Akureyri	Akureyri
Landsþítalinn	Reykjavík
Sjúkrahús Reykjavíkur	Reykjavík
Norway	
Aker Sykehus	Oslo
Aust Agder sentralsykehus	Arendal
Buskerud sentralsykehus	Drammen
Bærum sykehus	Bærum postterminal
Diakonhjemmets sykehus	Oslo
Diakonissehjemmets sykehus	Bergen
Fürst Medisinsk Laboratorium	Oslo
Fylkessykehuset i Haugesund	Haugesund
Haukeland sykehus	Bergen
Innhherred sykehus	Levanger
Kirkenes sykehus	Kirkenes
Kongsvinger sjukehus	Kongsvinger
Lovisenberg diakonale sykehus	Oslo
Nordland sentralsykehus	Bodø
Det Norske Radiumhospital	Oslo
Oppland sentralsykehus avd Gjøvik	Gjøvik
Regionsykehuset i Tromsø	Tromsø
Regionsykehuset i Trondheim	Trondheim
Rikshospitalet	Oslo
Sandefjord Klinisk Kjemisk Laboratorium AS	Sandefjord
Sentralsykehuset i Møre og Romsdal	Ålesund
Sentralsykehuset i Rogaland	Stavanger
Sentralsykehuset Sogn og Fjordane	Førde
Sentralsykehuset i Akershus	Nordbyhagen
Sentralsykehuset i Vestfold	Tønsberg
Stokmarknes sykehus	Stokmarknes
Sykehuset Østfold Fredrikstad	Fredrikstad
Telemark sentralsykehus	Skien
Ullevål sykehus	Oslo
Vest-Agder sentralsykehus	Kristiansand
Sweden	
Blekingesjukhuset (Karlskrona)	Karlskrona
Borås Lasarett	Borås
Capio Diagnostik AB, Kärnssjukhuset	Skövde
Centrallasarettet	Västerås
Centralsjukhuset	Karlstad
Huddinge Universitetssjukhus	Stockholm
Hälsinglands Sjukhus (Bollnäs)	Bollnäs
Hälsinglands Sjukhus (Hudiksvall)	Hudiksvall
Karlskoga Lasarett	Karlskoga
Karolinska Laboratoriet, Danderyds Sjukhus	Stockholm
Kungsbacka Sjukhus	Kungsbacka
Kungälv Sjukhus	Kungälv
Länsjukhuset	Halmstad
Länsjukhuset Gävle-Sandviken	Gävle
Länsjukhuset Ryhov	Jönköping
Norrlands Universitetssjukhus	Umeå
NU-Sjukvården NÄL	Trollhättan

TABLE I. (Continued)

Institution	City
Sahlgrenska Universitetssjukhuset (SU)	Göteborg
Sjukhuset i Varberg	Varberg
Universitetssjukhuset	Lund
Universitetssjukhuset	Örebro
Universitetssjukhuset MAS	Malmö
Sjukhuset Falkenberg	Falkenberg
Östersunds Sjukhus	Östersund