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CONTRACTIONS OF THE TYMPANIC MUSCLES IN MAN

An experimental study using observation of changes in the acoustic impedance of an enclosed cavity terminated by the tympanic membrane and electromyography of the tympanic muscles

by

GISLE DJUPESLAND

UNIVERSITETSFORLAGET
ARNE F. BAKKEN

BILIRUBINUTSKILLELSENS AKTIVERING HOS NYFØDTE

Barneklinikken og Pediatrisk forskningsinstitutt
Rikshospitalet
Universitetet i Oslo
og
Institutt for medisinsk biokjemi
Universitetet i Oslo
FORORD


Spesiallege dr. med. Jørgen Fog har i denne tid vært min daglige inspirator. Hans stimulerende råd og veiledning har vært uvurderlig, både for min forståelse av biologi generelt og av bilirubinstoffskiftet spesielt.


Amanuensis Leif Skjelkvåle's omsorg med å skaffe nødvendige forbruksvarer gjorde arbeidet lettere, likeså den tekniske assistansen av fysikkjemikere Siri Bratlid og Gry Skår.


De ansatte ved rutinelaboratoriet ved Barneklinikken Rikshospitalet, ved legebiblioteket på Rikshospitalet og ved Universitetets fototekniske avdeling takkes alle for god hjelp.

Økonomisk støtte til undersøkelsene ble gitt av Norges almenvitenskapelige forskningsråd (stipend E 303-8), av Universitetet i Oslo og av dr. med. A. Malthes legat.

Aller viktigst var det at min kone, Grete, viste tålmodighet overfor bilirubinet, og at hun oppmuntret meg og bromset meg i de rette øyeblikk.

Oslo, julen 1967.

Arne F. Bakken
IN VITRO CULTIVATION OF PAROTID TISSUE

with Special Reference to
the Production of Alpha-amylase

by

NILS JACOBSEN

Research Associate,
Department of Microbiology, Dental Faculty
University of Oslo

UNIVERSITETSFORLAGET
OSLO 1967
Thiaminundersøkelser

Metoder til bestemmelse av thiamin, utskillelsen i urinen og innholdet i blodet, spesielt ved diabetes mellitus

AV

H. N. HAUGEN

UNIVERSITETSFORLAGET
The Central Nervous System in Regulation of Erythropoiesis

BY

S. HALVORSEN

UNIVERSITETSFORLAGET
Preface

The first study in the present series of publications was the result of co-operation between Professor B. R. Kaada and Dr. P. Andersen, of the Neurophysiological Laboratory, and Dosent M. Seip and myself, of the Pediatric Research Institute, University of Oslo. The study was initiated by Dosent M. Seip, who for several years had been interested in the problem of erythropoiesis regulation. The subsequent studies have originated from questions raised during this and the following investigations, and are currently being continued.

The investigations have been carried out in 1958–65, during which time I have held an appointment partly at the Pediatric Department of the University Hospital, Oslo, and partly at the Pediatric Research Institute in the same hospital. Professor L. Salomonsen has provided me with facilities for carrying on with the studies during these years, and I am very grateful to him for this and for his stimulating interest in experimental and clinical research.

I am most grateful to Dosent M. Seip for his suggestions that I should start and continue studies in the field of erythropoiesis regulation, for his encouragement and criticism during the work, for his advice during the preparation of the manuscripts, and for his efforts and success in building up the Pediatric Research Institute.

Professor B. R. Kaada has given me excellent working facilities in the Neurophysiological Laboratory at the Anatomical Institute, and I am very grateful to him for this and for his very valuable criticism during preparation of the manuscripts. Drs. P. Andersen, J. Jansen, Y. Løyning, J. Setekleiv, and H. Ursin, at the Neurophysiological Laboratory, have further helped me with technical and theoretical problems, and I am most grateful to all of them. I am also indebted to Mrs. Melstrøm for valuable technical assistance.

Professor P. Owren at the Medical Department A, Rikshospitalet, and Professor S. Dick Henriksen at the Kaptein W. Wilhelmsen og Frues Institute of Bacteriology, Rikshospitalet, Oslo, provided me with laboratory facilities during the first years of the study, and I am most grateful for this help. I am also indebted to Dr. E. Myhre for his advice with the isotope techniques.

Technical assistant, Miss Helene Lassen, at the Pediatric Research Institute helped
Platelet aggregation in vitro and in vivo

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*(Factor VII)*

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Radical Scavengers and Radioprotection

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KARL FORD NAKKEN
Comparative effects of cyclophosphamide and total body irradiation on haemopoiesis in rats

By Herman Host
Preace

The work reported was carried out at Norsk Hydro’s Institute for Cancer Research, The Norwegian Radium Hospital, in the period 1961 to 1965.

I wish to express my gratitude to Director dr. med. R. Eker for the excellent working facilities made available to me at the Institute, and to my chief Professor dr. med. E. Poppe for permission to do the experimental work while I served at General Department.

I thank Actuary K. Magnus for his generous help with the statistical analysis and for discussion of the results.

My sincere thanks are due to Professor dr. med. A. Pihl who read the manuscripts and offered criticism and many valuable suggestions. I also wish to thank my friends dr. med. P. Kolstad and Docent S. Halvorsen for stimulating discussions and valuable advice during preparation of the manuscripts.

The help of cand. real. R. Jahren in performing the physical measurements and the technical assistance of Mrs. Ingrid Gulliksen are gratefully acknowledged.

It is a pleasure to acknowledge the financial support from The Norwegian Cancer Society and from the Norwegian Research Council for Science and the Humanities.

Finally, I want to express my deep gratitude to my wife for her great patience throughout these years, her never failing interest, and most valuable help during the work.
Nervous Control of Urinary Bladder in Cats

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TORE GODAL
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HARALD MARTIN MAARUD FREY

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With special reference to its peroxidatic activity and the occurrence of multiple molecular forms (isocytochromes)

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TORGEIR FLATMARK
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Transformation, DNA Analysis and Taxonomy

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KJELL BØVRE
The Effect of Plasma Cholesterol Lowering Diet in Male Survivors of Myocardial Infarction

A controlled clinical trial

BY

PAUL LEREN, M. D.
Also published as supplement 466/1966 to
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Kontrollerte kliniske forsøk

WITH AN ENGLISH SUMMARY

AV ERIK ENGER
Fra Ullevål sykehus, VII avdeling
Sjef: Professor dr. med. Einar M. Biegen
Trykt med bidrag fra
Institutt for Farmakoterapi,
Universitetet i Oslo
Heredity and Environment in the Functional Psychoses

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With special emphasis on the role of the erythrocytes

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Incidence, Prevalence, and Mortality

With a discussion of incidences indices in coronary heart disease, and a comparison with other investigations

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PER R. GUNDERSEN

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HÅKON NORDBØ
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by

BJØRN U. ZACHRISSON
CELL ADHESION

The effect of some divalent cations on the adhesion of P 388 cells to glass

By

AUDUN ATTRAMADAL
ACKNOWLEDGEMENTS

The studies presented in this thesis have been carried out at the Department of Microbiology, Dental Faculty, University of Oslo. I am greatly indebted to the head of the department, Professor Jon Jonsen, for his interest in my work, for his valuable advice and for his kindness in placing laboratory facilities at my disposal.

My genuine thanks are also due to the Committee for Post Gradual Education at the Dental Faculty, University of Oslo, for their guidance.

The presented studies emerge as a continuation of my work at the Histochemical laboratory, Institute of Pathological Anatomy, University of Oslo. I wish to express my sincere thanks to the head of the institute, Professor Olav Torgersen. Further, I am deeply grateful for the never-failing advice, suggestions and encouragement given by the head of the laboratory, Stig D. Schultz-Haudt, who also introduced me to the field of dental research.

Oslo, January 1967.

Audun Attramadal
FIBROGENETIC FUNCTION
OF SOME CELLS
IN BLOOD CLOTS

An Experimental Study in Rats

by

Olav Hjortdal
Research Associate

Department of Oral Surgery and Oral Medicine,
Dental Faculty, University of Oslo.
ACKNOWLEDGEMENTS

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The excellent and always kind assistance of the staff at the Dental Faculty Library is much appreciated.

Oslo, March 1967

Olav Hjortdal
HISTOCHEMICAL AND ELECTRON MICROSCOPIC STUDY OF
"EPITHELIAL RESTS OF MALASSEZ"

by

Jakob Valderhaug

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Oslo - 1967
IN VITRO CULTIVATION
OF PAROTID TISSUE

with Special Reference to
the Production of Alpha-amylase

by
NILS JACOBSEN

Research Associate,
Department of Microbiology, Dental Faculty
University of Oslo

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PART II
Effects of inhibition and stimulation

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OSLO 1968
Fra: Universitetets Psykiatriske Klinikk, Oslo
Sjef: Professor L. Eitinger
og
Forsvarets sanitet, Oslo
Sjef: Generalmajor T. Dale

PSYKIATRISKE LIDELSER HOS UNGE NORSKE MENN
UNDER PLIKTIG MILITÆRTJENESTE I FRED

En socialpsykiatrisk personlig etterundersøkelse av pasienter med kontroller

AV

ARNE SUND
PSYKIATRISKE LIDELSER HOS UNGE NORSKE MENN
UNDER PLIKTIG MILITÆRTJENESTE I FRED

Supplerende tabeller
Supplerende sykehistorier

AV

ARNE SUND
FORORD

Dette bind (kalt bind 2 i avhandlingen) inneholder de supplerende tabeller og sykehistorier det er henvist til i avhandlingen. Det bør derfor leses i sammenheng med avhandlingen, og det er ikke ment som et selvstendig bind. Innholdet må ikke refereres uten spesiell tillatelse.

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Oslo, juni 1968

[Signature]

Arne Sund
ENZYME HISTOCHEMICAL STUDIES
OF DENTAL ONTOGENY IN MICE
with Special Reference to Adenosinetriphosphatases

by
GUY HEYDEN

Research Associate,
Laboratory of Histo- and Cytochemistry,
Department of Anatomy, Dental Faculty,
University of Oslo, Norway

Publishing Office
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