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FORSVARETS FORSKNINGSinSTITUTT

Norwegian Defence Research Establishment

Postboks 1084 Oslo

Norway

SELF-DIFFUSION
AND
FLUIDITY IN LIQUIDS

BY

B. OTTAR

OSLO UNIVERSITY PRESS

OSLO 1958

FROM THE
DEPARTMENT OF PHARMACOLOGY
UNIVERSITY OF OSLO

THE FACILITATION OF NEUROMUSCULAR
TRANSMISSION INDUCED BY
TETRAETHYLAMMONIUM

WITH AN INTRODUCTION ON CHOLINE
AND ANTICHOLINESTERASES

By
JACOB STOVNER

1958

OSLO UNIVERSITY PRESS

ULLEVÅL SYKEHUS, AVDELING IX,
(SJEF: PROFESSOR DR. MED. H. J. USTVEDT)

Universitetets Institutt
for Respirasjonsfysiologi,
Ullevål Sykehus, avdeling III,
(Sjef: Professor dr. med. C. Semb)

Rikshospitalets Lungeavdeling,
(Sjef: Dosent dr. med.
S. Nissen-Meyer)

UNDERSØKELSER
AV LUNGEFUNKSJONEN
MED
SPIROMETRISKE MÅLINGER
OG
ARTERIELLE
BLODGASSANALYSER

Patofysiologi, metodikk og klinisk anvendelse.

Av
Trygve Wessel Aas

UNIVERSITETSFORLAGET
OSLO 1958

Dr. Sivertsen

OSLO 1959

ULLEVÅL SYKEHUS - CENTRALLABORATORIET, OSLO

FORHOLDET MELLOM
GLYKOLYSE OG RESPIRASJON
I EHRLICH ASCITES TUMOR
CELLER

av

1918-

ELLING KVAMME



OSLO 1959

OSLO UNIVERSITY PRESS

LIBRARY N. Y. ACAD. MED.

JN

no. 100

OSLO
1959

CONTACT ACTIVATION
IN THE INTRINSIC
BLOOD CLOTTING SYSTEM

*Studies on a plasma product
formed on contact with glass and similar surfaces*

BY
BJARNE A. WAALER

C



OSLO 1959
OSLO UNIVERSITY PRESS

LIBRARY N. Y. ACAD. MED.

FRA UNIVERSITETETS PSYKIATRISKE KLINIKK, OSLO
SJEF: PROFESSOR DR. MED. G. LANGFELDT

*PSYKIATRISKE
UNDERSØKELSER
BLANT FLYKTNINGER
I NORGE*

*Av
Leo Eitinger*



With an English Summary

UNIVERSITETSFORLAGET
OSLO 1958

0520
1958

Chronic Subdural Hematoma

With Particular Reference to the Diagnosis

A Clinical, Roentgenological
and Electroencephalographical Study

WITH 24 FIGURES IN THE TEXT

BY
RAGNAR NORDLIE

C

*THE MEDICAL LIBRARY CENTER
OF NEW YORK
5-17 East 102nd Street
New York, N. Y. 10029*

OSLO 1958

JOHAN GRUNDT TANUM FORLAG



LN

OSLO
1958

SEROLOGICAL STUDIES OF HUMAN BLOOD PLATELETS

PART 1.

The unspecific clumping of blood platelets

PART 2.

Platelet antigens and antibodies

BY

JON LUNDEVALL



OSLO 1958

OSLO UNIVERSITY PRESS

LIBRARY N. Y. ACAD. MED.

FROM JOHAN THRONE HOLST'S INSTITUTE FOR NUTRITION RESEARCH,
UNIVERSITY OF OSLO.

HEAD: PROFESSOR RAGNAR NICOLAYSEN, M. D.

CALCIUM REQUIREMENT
AND ADAPTATION
IN ADULT MEN

BY
OLE J. MALM



OSLO 1958
OSLO UNIVERSITY PRESS

Div

OSLO

1958

AN EXPERIMENTAL INVESTIGATION
OF METHODS FOR THE CULTIVATION
OF MYCOBACTERIUM TUBERCULOSIS
FROM SPUTUM

BY
ROLF SAXHOLM

C



OSLO 1958
OSLO UNIVERSITY PRESS

LIBRARY N. Y. ACAD. MED.

INSTITUTT FOR PATOLOGISK ANATOMI
RIKSHOSPITALET, OSLO

OSLO
1962

Studier over
ventrikkelslimhinnens regenerasjon hos rotter,
med særlig henblikk på virkningen
av hormonale faktorer

AV
EIVIND MYHRE

OSLO 1960

N.Y. ACADEMY OF MEDICINE

Medisinsk Avdeling B ved Rikshospitalet
Universitetet i Oslo
Sjef: Professor dr.med. Harald A. Salvosen

Institutt for Medisinsk Biokjemi og Fysiologi
Avdeling for Biokjemi
Universitetet i Oslo
Sjef: Professor dr.med. Otto Walaas

0520
1961

SERUMFARGE og BILIRUBIN
i
IKTERISKE SERA

With an English Summary

av

JØRGEN FOG

LIBRARY N. Y. ACAD. MED.

OSLO
1960

OSLO

1961

VASO-SEMINAL VESICULOGRAPHY IN
HYPERTROPHY AND CARCINOMA OF THE
PROSTATE WITH SPECIAL REFERENCE
TO THE EJACULATORY DUCTS

*A clinical and
experimental roentgenological study*

BY

GUNNAR WILLER VESTBY

1960

OSLO UNIVERSITY PRESS

ACTA CHIRURGICA SCANDINAVICA
SUPPLEMENTUM 273

FROM THE DEPARTMENT OF SURGERY A (HEAD: L. EFSKIND, M.D. PROFESSOR OF SURGERY) AND THE
DEPARTMENT OF PATHOLOGY (AUTOPSY SECTION) (HEAD: O. TORGERSEN, M.D., PROFESSOR OF PATHOLOGY),
RIKSHOSPITALET, OSLO, NORWAY.

OESOPHAGITIS FOLLOWING TOTAL
GASTRECTOMY

A CLINICAL AND EXPERIMENTAL STUDY

BY

NILS HELSINGEN JR.

1961

From: The Institute for Thrombosis Research, University Hospital, Rikshospitalet,
Oslo, Norway, and the Theodor Kocher Institute, University
of Berne, Switzerland

OSLO
1962

Precipitation and Coagulation of Fibrinogen

*With Special Reference to the Influence of Heparin
and Heparin-neutralizing Substances*

By

HANS CHRISTIAN GODAL

OSLO 1961

OSLO UNIVERSITY PRESS

N.Y. ACADEMY OF MEDICINE

FROM THE
UNIVERSITY EYE DEPARTMENT, RIKSHOSPITALET, OSLO
AND THE
UNIVERSITY INSTITUTE FOR EXPERIMENTAL MEDICAL RESEARCH
ULLEVAAL HOSPITAL, OSLO

ON SCLERAL RIGIDITY

BY
JAN YTTÉBORG

C

OSLO UNIVERSITY PRESS

1961

STUDIES ON
THE FIBRINOLYTIC SYSTEM
IN HUMAN PLASMA

By
SVERRE BLIX

NORWEGIAN UNIVERSITIES PRESS

1962

INSTITUTT FOR PATOLOGISK ANATOMI
RIKSHOSPITALET, OSLO

OSLO
[Handwritten signature]

THE GLOMERULAR FUNCTION IN MICE
EXAMINED WITH A HISTOCHEMICAL METHOD
FOR EVALUATION OF THE FILTRATION
IN INDIVIDUAL NEPHRONS

BY
ODD E. HANSSEN

[Handwritten mark]

OSLO 1962

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N.Y. ACADEMY OF MEDICINE

hi

OSLO

1963

FROM THE VIRUS DEPARTMENT, NATIONAL INSTITUTE OF PUBLIC HEALTH,
OSLO, NORWAY (HEAD: PROFESSOR DR. MED. O. LAHELLE)

A₂ Compared with other
Influenza Virus Types in the
Haemagglutination Inhibition Test

BY

ARILD HARBOE

C

UNIVERSITETSFORLAGET

1963

N.Y. ACADEMY OF MEDICINE

(FROM THE INSTITUTE FOR THROMBOSIS RESEARCH AND MEDICAL DEPARTMENT A, UNIVERSITY HOSPITAL,
RIKSHOSPITALET, OSLO, NORWAY. HEAD: PROFESSOR P. A. OWREN, M.D.)

Studies on Erythroblasts
from Normal Subjects and Patients
with Pernicious Anemia,

*With Special Reference to Proliferation,
Maturation and Destruction
of Nucleated Red Cell Precursors in Vitro*

BY
ERIK MYHRE

1963.

UNIVERSITETSFORLAGET

FROM THE CHILDREN'S DEPARTMENT AND PEDIATRIC RESEARCH
INSTITUTE, UNIVERSITY HOSPITAL, RIKSHOSPITALET, OSLO

Iron Requirements in Infancy
and Normal Red Blood Picture
during the First Three Years of Life

BY
PETER JOHAN MOE

UNIVERSITETSFORLAGET

© The Norwegian Research Council for Science and the Humanities 1963
(Norges almenvitenskapelige forskningsråd)
Section: Medicine. E. 109—16. T.

Also published as a supplementum 150, 1963, to
ACTA PÆDIATRICA

Printed in Norway by Aktietrykkeriet i Trondhjem, Trondheim

From: THE INSTITUTE OF RESPIRATORY PHYSIOLOGY,
UNIVERSITY OF OSLO, NORWAY
and THE INSTITUTE OF AVIATION MEDICINE,
ROYAL NORWEGIAN AIR FORCE, OSLO, NORWAY

RESPIRATORY RECOVERY FROM MUSCULAR EXERCISE OF SHORT DURATION

A functional study of healthy adults
in relation to age, sex and physical activity

By
K. LANGE ANDERSEN

OSLO 1959
OSLO UNIVERSITY PRESS



Scandinavian Journal of
Clinical & Laboratory Investigation
From The University Institute for Respiratory Physiology, Department III,
Ullevål Hospital, Oslo - Norway
Head: Professor Carl Semb, M.D.

Suppl.

Cardiopulmonary Hemodynamics
in Chronic Lung Disease
with Special Reference
to Pulmonary Tuberculosis

CARDIAC CATHETERIZATION STUDIES
AT REST AND ON EXERCISE

BY

Joerg CARSTEN MÜLLER

LIBRARY
MAR - 9 1960
NEW YORK
ACADEMY
OF MEDICINE

OSLO 1959

OSLO UNIVERSITY PRESS

A Colpophotographic Study of

THE VASCULAR PATTERNS OF THE UTERINE CERVIX

*with Special Reference to
Precancerous Lesions and Cancer*

By
ODDMUND KOLLER, M.D.
THE NORWEGIAN RADIUM HOSPITAL.



UNIVERSITETSFORLAGET

Printed in Norway by A. W. Brøgger's Boktryk. Oslo

© The Norwegian Research Council for Science and the Humanities 1965
(Norges almennytningsvesenets forskningsråd)
Section: Medicine, E. 382-3. T.

FRA MARTINA HANSENS HOSPITAL, SANDVIKA, NORGE

SJEF: OVERLÆGE JOHN K. HALD

HOFTE ANKYLOSE

*En røntgenologisk og klinisk studie
av den ankylotiske hofte naboled
med henblikk på anatomiske
og funksjonelle forandringer*

AV

M. FOSS HAUGE

UNIVERSITETSFORLAGET

1963

© Norges almenvitenskapelige forskningsråd 1963

Gruppe: *Medisin.*

E. 384—4. T.

En arbeidsprotokoll med kasuistikk
og de utførte beregninger er depo-
nert ved Universitetet i Oslo.

Alle røntgenbilder og journaler er
arkivert på Martina Hansens Hospital
i Sandvika, ordnet etter løpenummer.

FROM: UNIVERSITETETS INSTITUTT FOR GENERELL OG EKSPERIMENTELL PATOLOGI
(HEAD: PROFESSOR DR. MED. LEIV KREYBERG)

AND: UNIVERSITETETS ØYEAVDDELING
(HEAD: PROFESSOR DR. MED. THORE LIE THOMASSEN)

UNIVERSITETET I OSLO, RIKSHOSPITALET, OSLO, NORGE

Erythrocyte Resorption

from the Rabbit and Human Eye

BY

IVAR HØRVEN

UNIVERSITETSFORLAGET

Miss Ruth Haugland, head of Medisinsk Bibliotek, Rikshospitalet, has provided me with the required literature.

Financial support was gratefully received from F. H. Dethloff og hustru Mathilde Wang's Legat and Direktør Gotfred Lie og hustru Marie Lie's Fond.

Oslo, December 1963

Ivar Harven

164

INSTITUTT FOR REPRODUKSJONSFYSIOLOGI OG -PATOLOGI
(Sjef: Professor vet. med. dr. Otto Garm)
Norges veterinærhøgskole, Oslo

KJEMISKE UNDERSÖKELSER OVER ÖSTROGENER
HOS HEST, STORFE OG GRIS

Av
Torleiv Lunaas

Oslo, 1964

64
From the Department of Animal Husbandry and Genetics,
Veterinary College of Norway, Oslo, Norway.

Head: Professor P. Slagsvold.

Studies on the Mutant Mink Heggedal

BY
NORODD NES

64
From the Institute of Food Hygiene and Microbiology,
Veterinary College of Norway, ~~Oslo~~, Norway.

Head: Professor S. Hauge.

Studies on the Formation
of Toxin by
Clostridium botulinum

BY
ANTON SKULBERG

A/S KAARE GRYTTING, ORKANGER

1963

Institute for Thrombosis Research, University Hospital,
Rikshospitalet, Oslo, Norway. Head: Professor P. A. Owren

THE PERIPHERAL BLOOD FLOW
IN INTERMITTENT CLAUDICATION

By

Leif K. Hillestad

UNIVERSITETSFORLAGET

© The Norwegian Research Council for Science and the Humanities 1964
(Norges almenvitenskapelige forskningsråd)
Section: Medicine. E. 104-27. T.

Printed in Norway by
Universitetsforlagets trykningsentral, Oslo

FROM THE UNIVERSITY INSTITUTE FOR EXPERIMENTAL SURGERY AND THE SURGICAL DEPARTMENT A
(HEAD: L. EFSKIND, M. D., PROFESSOR OF SURGERY), RIKSHOSPITALET, OSLO, NORWAY

The great saphenous vein
used in situ as an arterial shunt after
vein valve extirpation

BY

Karl Victor Hall

UNIVERSITETSFORLAGET

1964.

ACKNOWLEDGEMENTS

This study was carried out in the years 1961 to 1964 at Surgical Department A and the University Institute for Experimental Surgery,¹ Rikshospitalet, Oslo.

My chief, Professor Leif Efskind, M. D., encouraged me to start the present investigation, and his never-failing interest and support have been of primary importance for its completion.

I wish to thank my colleagues at Surgical Department A, Christian Cappelen, Jr., and Peter Dundas, for valuable technical and surgical collaboration. I also want to express my thanks to the physicians and their assistants at the department of radiology at Rikshospitalet. The numerous and time-consuming angiographical studies were performed with excellent results. My thanks for good collaboration go also to my colleague Leif K. Hillestad and his assistants at the laboratory for plethysmography.

I am also indebted to our librarian, Miss Ruth Haugeland, who provided the literature, and to the staff of the photographic laboratory.

Above all I wish to express my gratitude to my technical assistant during these years, Miss Ingegerd Berger, for her constant interest and support.

The financial support received from Det norske råd for hjertekarsykdommer (The Norwegian Advisory Board for Cardiovascular Disease) is acknowledged with respectful thanks.

¹ Endowed by Norsk forening til kreftens bekjempelse (Norwegian Society for Fighting Cancer)

62. n. 63 Oslo

FROM: INSTITUTT FOR GENERELL OG EKSPERIMENTELL PATOLOGI, UNIVERSITETET I OSLO
HEAD: PROFESSOR DR. MED. LEIV KREYBERG,
PATOLOGISK-ANATOMISK LABORATORIUM, ULLEVÅL SYKEHUS, OSLO
HEAD: PROFESSOR DR. MED. KRISTEN ARNESEN
AND INSTITUTT FOR TROMBOSEFORSKNING, UNIVERSITETET I OSLO
HEAD: PROFESSOR DR. MED. PAUL A. OWREN

Haemostasis and Thrombosis

HISTOLOGICAL STUDIES

BY

LEIF JØRGENSEN

UNIVERSITETSFORLAGET

ACKNOWLEDGEMENTS

The present work was carried out during the years 1959-64, first at Universitetets Institutt for Generell og Eksperimentell Patologi, Rikshospitalet, Oslo, and, from 1961, at Patologisk-Anatomisk Laboratorium, Ullevål Sykehus, Oslo. I am greatly indebted to my former and present heads, Professor Leiv Kreyberg and Professor Kristen Arnesen, for the excellent working facilities they have given me, and for their stimulating interest and valuable advice.

My best thanks are also extended to Professor Paul A. Owren who placed the necessary patient material at my disposal, and whose sound criticism and pertinent suggestions I appreciate very much.

I further wish to express my profound gratitude to Dr. Christian F. Borchgrevink for pleasant co-operation throughout these years. He examined the patients in the haemostatic study and gave time to many inspiring discussions. I also want to give my thanks to Dr. Peter F. Hjort who helped me in planning the project and who has followed the work with never-failing interest.

A particularly deep gratitude is felt to the patients and colleagues who volunteered in having biopsies done.

Mrs. Evy Jæreg, Miss Reidun M. Kopperud, and Miss Reidun Hofvind have given me skilful technical assistance. Without their whole-hearted willingness and patience this work could not have been carried out. Photographic assistance has been rendered by Mr. Ivar Bodin, Fototeknisk Laboratorium, Rikshospitalet, by Mr. Kåre Porsbøll, Røntgenavdelingen, Ullevål Sykehus, and by Miss Reidun Hofvind, Patologisk-Anatomisk Laboratorium, Ullevål Sykehus. Mrs. Erna Bryn Stene has prepared the diagrams

THE INSTITUTE FOR THROMBOSIS RESEARCH,
UNIVERSITY HOSPITAL, RIKSHOSPITALET, OSLO, NORWAY
HEAD: PROFESSOR PAUL A. OWREN, M. D.

STUDIES ON
HUMAN BLOOD COAGULATION
AND HEMOSTASIS

With Special Reference to the Problem of Hyperactivity

BY
OLAV EGEBERG, M. D.

UNIVERSITETSFORLAGET

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AAS & WAHLS BOKTRYKKERI, OSLO

Oslo

Studies on the Toxicity of Fluid
Produced by a Strangulated Segment
of Ileum in the Rat

BY

EGIL AMUNDSEN

INSTITUTE OF PHYSIOLOGY, UNIVERSITY OF OSLO, NORWAY

UNIVERSITETSFORLAGET

ACKNOWLEDGEMENTS

The present work was carried out during the years 1962 - 63 and 1964. It commenced at the Laboratory for Germfree Research at Karolinska Institutet, Stockholm, where Professor Bengt E. Gustafsson provided laboratory facilities, advice and support during the initial stages of this investigation. It was very stimulating and rewarding to work in his laboratory, and I want to thank him for all he gave me.

Since July 1962 this investigation has been carried on at the Institute of Physiology, University of Oslo, where Professor Bjarne A. Waaler has provided laboratory facilities. But he has done much more than that to aid in the work reported on herein. In spite of the numerous demands made on him by other responsibilities, he was always ready, able and willing to help when that was required. He has followed the work with interest and kindness, and has contributed invaluable advice, support and encouragement. I want to express my sincere gratitude to him for all his help.

Dr. med. Leif Eriksen has also aided this work greatly. He has given freely of his vast biological insight and knowledge, and his penetrating criticism and valuable suggestions have been greatly appreciated.

My sincere thanks are also due to Dr. med. Ole J. Malm, whose experience and insight I have been permitted to call upon. His constructive criticism has been very stimulating.

Miss Helga Kile and stud. med. Kjell Nustad have been my close companions during the later stages of this work. They have helped me in numerous ways. Their loyalty, help and friendship have meant much to me.

My thanks are also due to other co-workers at the Institute of Physiology, University of Oslo: Mrs. Nora Eriksen, Mag. Scient. Synnøve Haavaldsen, Drs. Anton Hauge, Sten Jacobsen, Per K. Lunde and Hans E. Rugstad for stimulating discussions and pleasant company.

Mr. R. Arnesen has been co-operative and helpful in providing animals necessary for the later parts of this investigation. His capable and friendly assistance has been greatly appreciated.

Finally, I want to express my deep gratitude to Ingunn Amundsen, my wife. Her company, patience and encouragement have aided me greatly during this investigation.

The Norwegian Research Council for Science and the Humanities has given financial support to this investigation. This support is gratefully acknowledged.

Studies on Intrarenal Circulation
with Special Reference to
Gas Exchange

BY

KNUT AUKLAND

INSTITUTE FOR EXPERIMENTAL MEDICAL RESEARCH,
UNIVERSITY OF OSLO, ULLEVAL HOSPITAL, OSLO

UNIVERSITETSFORLAGET

Reprint: Journal of the Oslo City Hospitals, 14:115—146, 1964.

STUDIES
ON INTRARENAL CIRCULATION
WITH SPECIAL REFERENCE
TO GAS EXCHANGE

KNUT AUKLAND

(INSTITUTE FOR EXPERIMENTAL MEDICAL RESEARCH, UNIVERSITY OF OSLO,
ULLEVÅL HOSPITAL OSLO)

From the University in Oslo, Institute of Hygiene (Director,
Haakon Natvig, M.D.) Oslo, Norway, and the Research Section of the Tuberculosis Program
(Chief, Carroll E. Palmer, M.D., Ph.D.), Public Health Service,
Washington 25, D.C.

Studies on Host-Agent Interaction
in Experimental Tuberculosis
in Guinea Pigs

by

TOR BJERKEDAL, M.D., M.P.H.

UNIVERSITETSFORLAGET

ACKNOWLEDGEMENTS

The present work has been carried out partly in the United States where in 1958 and 1960-62, I held a position as visiting scientist associated with the Research Section of the Tuberculosis Program, Public Health Service, Washington, D.C., and partly in Norway while I was a research associate of the Institute of Hygiene, University in Oslo.

I am most grateful to the two persons who encouraged me to undertake the work and who provided me with the best working facilities: Professor Haakon Natvig, M. D., Director of the Institute of Hygiene, University in Oslo, and Medical Director Carroll E. Palmer, M. D., Ph. D., Chief of the Research Section of the Tuberculosis Program, Public Health Service, Washington, D.C.

The laboratory experiments on guinea pigs which form the basis for the present work were all conducted at the Tuberculosis Program's research laboratories in Chamblee, Georgia. I am particularly

grateful to Dr. Palmer for giving me a free hand to work on material derived from experiments designed and conducted by himself, experiments which were almost completed at the time I was associated with his office, and I am most grateful for the opportunity he gave me to design and conduct experiments on my own.

The Tuberculosis Program's research laboratories in Chamblee are equipped to undertake large-scale animal experiments and are staffed by persons who together possess the special talents and technical skills required for this type of work. I am happy to acknowledge the contribution made by each member of the staff to the successful completion of the experiments. My best thanks are also extended to Dr. Phyllis Q. Edwards for her help in preparing most of the manuscripts in the English language.

Oslo, February 1964

Tor Bjerkedal

FROM THE INSTITUTE OF FORENSIC MEDICINE, UNIVERSITY OF OSLO
OSLO, NORWAY

Studies on the
Lp System of Human Serum
 β -Lipoprotein

BY
KÅRE BERG

UNIVERSITETSFORLAGET

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AAS & WAHLS BOKTRYKKERI, OSLO

FROM THE INSTITUTE OF CLINICAL BIOCHEMISTRY
UNIVERSITY OF OSLO — OSLO, NORWAY
HEAD: PROFESSOR LORENTZ ELDJARN, M.D.

Studies on
Metabolism and Biochemical Effects
of Tetraethylthiuram Disulphide (Disulfiram)
and Diethyldithiocarbamate

BY

JOHAN H. STRÖMME

FELLOW OF THE NORWEGIAN CANCER SOCIETY

UNIVERSITETSFORLAGET

Preface

The present work has been carried out at the Institute of Clinical Biochemistry, University of Oslo, in the period 1961-4.

The head of the institute, Professor L. Eldjarn, under whose guidance it has been my privilege to work, has provided excellent working facilities. I wish to express my gratitude for this, as well as for his valuable advice and stimulating discussions.

My thanks are also due to Dr. med. J. Bremer for his encouraging aid throughout this work, and to other colleagues at the institute for helpful criticisms.

This investigation has been financially supported by research grants from The Norwegian Cancer Society, to which institution I give my sincere thanks.

Oslo, October 1964

Johan H. Strømme

UNIVERSITETETS INSTITUTT FOR RESPIRASJONSFYSIOLOGI,
ULLEVÅL SYKEHUS, OSLO

Noen konsekvenser av svær
hypercapni og hypoxemi
ved lungesvikt

Undersøkelser vedrørende sammenheng
mellom arterielle blodgassendringer
og bevissthetsforstyrrelser, vevs-
skader og syre-baselikevekt

Av

HARALD E. REFSUM

1965

UNIVERSITETSFORLAGET

UNIVERSITETSFORLAGETS TRYKKNINGSENTRAL
Oslo 1965

NEUROPHYSIOLOGICAL LABORATORY — ANATOMICAL INSTITUTE
UNIVERSITY OF OSLO, NORWAY

The Amygdaloid Substrate
of Flight and Defense Behavior in Cats

BY
HOLGER URSIN

UNIVERSITETSFORLAGET

© UNIVERSITETSFORLAGET 1965

AAS & WAHLS BOKTRYKKERI OSLO

FROM THE INSTITUTE OF FORENSIC MEDICINE, UNIVERSITY OF OSLO
OSLO, NORWAY

Studies on the Gc System
of Human Serum

BY
TROND REINSKOU

UNIVERSITETSFORLAGET

1965

From the Institute of Clinical Biochemistry, University of Oslo

Head: Professor L. Eldjarn, M.D.

Enzymic acylation of carnitine

BY

KAARE R. NORUM

Fellow of the
Norwegian Cancer Society

UNIVERSITETSFORLAGET

FROM INSTITUTE FOR THROMBOSIS RESEARCH, UNIVERSITY HOSPITAL,
RIKSHOSPITALET, OSLO, NORWAY (HEAD: PROFESSOR H. STORMORKEN M. D.)

THE INFLUENCE
OF SOME GENERAL FACTORS
ON THE TENDENCY
TO THROMBOSIS

An experimental study in the rat

BY
ARNE NORDÖY

1965

UNIVERSITETSFORLAGET

associated with a high frequency of thromboembolic complications in clinical medicine, whereas others were thought to be of at least theoretical importance for the understanding of thrombosis.

The second part of the study is concerned with the influence of adenosine diphosphate *in vivo*. The observation of Hellem (1960) that the red blood cells contained a substance, factor R, that induced platelet aggregation *in vitro* and the demonstration of Gaarder *et al.* (1961) that this substance was identical with adenosine diphosphate, suggested that this physiological compound might be of importance in thrombogenesis. We showed that adenosine diphosphate produced platelet aggregates and occluding platelet-thrombi in small vessels where no pre-existing damage of the vessel wall was present. The fate of these thrombi was studied and the influence of hypothyroidism, dietary fats and hypercephalinemia was investigated.

Oslo, January 1965.

FROM THE NEUROPHYSIOLOGICAL LABORATORY AT THE ANATOMICAL INSTITUTE,
UNIVERSITY OF OSLO, NORWAY

A DUAL PERIPHERAL AND
SUPRASPINAL AUTONOMIC INFLUENCE
ON THE URINARY BLADDER

RAGNAR GJONE

UNIVERSITETSFORLAGET
OSLO - NORWAY 1965

*From the Anatomical Institute, University of Oslo
(Head: Professor Jan Jansen, M. D.)
Oslo, Norway*

Effects of
extirpation of the epiphysis cerebri
in 6-day chick embryos

by

HELGE STALSBERG

OLAF NORLIS FORLAG
OSLO 1965

FROM THE INSTITUTE FOR THROMBOSIS RESEARCH, UNIVERSITY HOSPITAL
RIKSHOSPITALET, OSLO. HEAD: PROFESSOR PAUL A. OWREN

THE ADHESIVENESS
OF HUMAN BLOOD PLATELETS
IN VITRO

BY

ARVID JOHN HELLEM, M.D.



OSLO UNIVERSITY PRESS

1960

FROM THE RADIOLOGICAL DEPARTMENT OF THE MUNICIPAL HOSPITAL OF
HAUGESUND, NORWAY (HEAD: ANDREAS HOBÆK, M.D.)

PROBLEMS OF HEREDITARY CHONDRODYSPLASIAS

A ROENTGENOLOGICAL, CLINICAL AND GENETIC STUDY OF
70 CASES OF HEREDITARY CHONDRODYSPLASIAS
IN 42 NORWEGIAN FAMILIES

BY

ANDREAS HOBÆK

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Adrenocortical Function
in Fever

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With due permission of the Senate
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