



Survey of doctoral theses and candidates

Institute for Experimental Medical Research (IEMR)

1957 - 2009

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Institute for Experimental Medical Research

Survey of doctoral theses and candidates that have issued from the Institute for Experimental Medical Research from the time of its foundation till 2009.



Fredrik Kiil. The function of the ureter and renal pelvis (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1957.



Andreas Kolberg. Relations of renal tubular and glomerular function as influenced by 75 per cent reduction of nephron number. A patho-physiological study (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1959.



Heyman Krømer. Bone homografts in the surgical treatment of cysts of the jaws and periodontal pockets. A clinical and experimental study. (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1960



Jan Ytterborg . On scleral rigidity (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1960.



Knut Høeg. The early forms of renal tuberculosis and the function of the resected kidney (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1962.



Kjell Johansen. Cardiovascular dynamics in the amphibian *Amphiuma tridactylum* Cuvier (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1963.



Sverre Vasli. Postischaemic polarography in human calf muscle (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1963.



Jon Krog. A comparative study of the effect of cervical sympathetic stimulation on cerebral blood flow (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1964.



Knut Aukland. Studies on intrarenal circulation with special reference to gas exchange (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1965.



Kaare Solheim. Biophysical and biochemical studies of healing fractures with special reference to the glycosaminoglycans (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1966



Harald M. M. Frey. Studies on peripheral circulatory and metabolic consequences of thyrotoxicosis (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1967.



Harald Aars. Effects of arterial hypertension and chronic dilatation of receptor area on aortic baroreceptor activity (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1968.



Ove Johan Mellbye. Studies on naturally-occurring antibodies against modified red cells. With special reference to the antibody causing reversible agglutination of trypsin-treated cells (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1969.



Ola Bodvar Reite. The evolution of vascular smooth muscle responses to histamine and 5-hydroxytryptamine (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1969.



Lars Stenersen Semb. Studies on inhibition of gastric secretion (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1969.



Gunnar Støren. Evaluation of postischemic blood flow changes by volume measurements (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1969.



Erik Thorsby. Leucocyte antigens and antibodies in man. (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1969.



Snorre Aune. Peritoneal permeability. The exchange of water and solutes between blood and peritoneal cavity (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1970.



Steffen Birkeland. Methods for blood volume determination. Early replacement therapy in human burns (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1970.



Bjørn Berger. Antigens of bovine corneal epithelium (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1972.



Knut Hannestad. Studies on immunoglobulins in rheumatoid arthritis macroglobulinemia. (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1972.



Rolf A. Larsen. Family studies in systemic lupus erythematosus (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1972.



Ole Danbolt Mjøs. Effects of free fatty acids on myocardial metabolism and performance (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1972.



Bjarte Gees Solheim. The subunit structure of immunoglobulin M (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1972.



Inge Klingenberg. Uterine blood flow. Studies in women by local hydrogen gas clearance and electromagnetic flowmetry (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1973.



Bjørn Bugge-Asperheim. Factors in cardiac regulation of stroke volume (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1974.



Jon K. Kjekshus. Factors influencing infarct size following coronary artery occlusion (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1974.



Einar W. Løyning. Renal blood flow in the dog. Autoregulation and intrarenal distribution (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1974.



Otto Closs. Experimental murine leprosy: Induction of immunity and immune paralysis to mycobacterium lepraemurium in C57BL mice (Thesis). *Infect.Immun.* 12: 706-713, 1975.



Ivar K. Eide. Renin. Its release mechanisms and its vasoconstrictive effects in renovascular hypertension (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1975.



Jon Lekven. Myocardial ischemia (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1975.



Bjørn Myrvang. Immune responses to mycobacterium leprae in man (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1975.



Mons Lie. Ethacrynic acid - the mechanism of its natriuretic action and its use in the study of the glomerulotubular balance in dogs (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1976.



Per Omvik. Tubular hydrodynamics and renal autoregulation (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1976.



Morten G. Ræder. Tubular hydrodynamics and renal autoregulation (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1976.



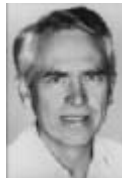
Erling Saltvedt. Ricinus and abrus agglutinin. Biological properties and application in immunoglobulin subfractionation (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1977.



Jan E. Johannesen. Renal heat production and sodium reabsorption (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1978.



Ole M. Sejersted. Function of Na-K-ATPase in renal sodium reabsorption (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1978.



Arnfinn Ilebakk. Determinants of cardiac performance (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1979.



Petter Andreas Steen. Cerebral hypoxia: Effects of barbiturates and varying degrees of ischemic on neurologic metabolic function (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1979.



Gunnar A. Bjune. In vitro lymphocyte responses in leprosy (Thesis). Oslo, Institute for Experimental Medical Research. University of Oslo. 1980.



Øystein Mathisen. Mechanism of glomerulotubular balance in the renal proximal tubules (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1980.



Tom Monclair. Active and passive renal sodium reabsorption (Thesis). *J. Oslo City Hosp.* 30: 49-61, 1980.



Hans Otto Sandberg. Antigens of the crystalline lens (Thesis). Oslo, Institute for Experimental Medical Research. University of Oslo. 1980.



Arnulf Skjennald. Angiography in acute experimental pancreatitis correlated to hemodynamic changes (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1982.



Jan Ludvig Svennevig. Inflammatory cells in non-lymphoid, human malignant tumours (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1982.



Reidar Melsom. Anti-M. Leprae antibodies in humans (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1983.



Robert N. Mshana. Immunopathological mechanisms of tissue damage in leprosy (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1983.



Olav A. Stokland. Factors contributing to acute blood pressure elevation (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1983.



Harald Holdaas. Adrenergic control of renin release (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1984.



Øyvind Langård. Hemodynamic and adrenergic mechanisms for renin release (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1984.



Målfrid Molaug. Interventricular dynamics (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1984.



Martinus Løvik. Experimental murine leprosy parameters and mechanisms of immunity in a mycobacterial infection (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1986.



Liv Jorun Reitan. Immune responses to defined antigen fractions in leprosy (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1986.



Arild Vikse. Renal autoregulation and prostaglandin E₂ release. Hemodynamic conditions for PGE₂ and renin release (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1986.



Erik Fosse. Complement activation and alterations in white blood cell populations following major surgery and trauma (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1987.



Tom Grotmol. Mechanisms of HCO₃⁻-secretion from pancreas and liver. An experimental study in the pig (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1987.



Anders Hartmann. Bicarbonate-dependent solute transport in kidney tubules (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1987.



Harald Langberg. Factors regulating proximal water and electrolyte reabsorption (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1987.



Trond Buanes. Cellular mechanisms involved in secretin-mediated pancreatic and biliary HCO_3^- -secretion. An experimental histochemical and ultrastructural study in the pig (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1988.



Øyvind Ellingsen. Myocardial potassium balance during adrenergic stimulation (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1989.



Tom Erik Ruud. Intraperitoneal proteolysis in experimental and clinical acute pancreatitis. Effects of protease inhibitors and corticosteroids (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1989.



Jørgen Thorvaldson. Importance of pulmonary blood volume and aortic blood pressure in regulation of left ventricular function. (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1989.



Øystein Vengen. Interplay among cardiac chambers (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1989.



Johnny Østensen. Mechanisms of proximal tubular reabsorption of sodium chloride and water. Model analysis and experimental studies on dog kidneys (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1989.



Jan Fredrik Bugge. Renal prostaglandins E_2 and I_2 . Aspects of metabolism and relationship to renal hemodynamics and renin release mechanisms. (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1990.



Odd Ragnar Geiran. Right ventricular function. Dynamics of the ventricular free walls and the interventricular septum during acute ischemia and interventricular shunting in open-chest dogs (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1990.



Frank Andersen. Left ventricular function and metabolism. An experimental study in pigs on the significance of myocardial ionic shifts for contractility and myocardial oxygen consumption during alterations in left ventricular function (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1991.



Jon Berg-Johnsen. Mechanisms of inhalation anaesthesia. The effect of isoflurane studied in rat hippocampus and human neocortex in vitro (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1991.



Olav Røise. Studies on endotoxin- and methylprednisolone- induced activation of the contact and complement systems of plasma (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1991.



Vibeke Videm. Biocompatibility of cardiopulmonary bypass: measures to reduce complement activation (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1991.



Gunnar Aksnes. Shortlasting myocardial ischemia: effects on ion balance and contraction (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1992.



Geir Christensen. Atrial natriuretic factor. An experimental study on release mechanisms and on cardiovascular and renal effects (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1992.



Jan Hysing. Tubular handling of small proteins and peptides. Studies on renal degradation of «trapped label»-iodinated peptides (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1992.



Frode Næss. Modulation of mediator-induced responses in experimental endotoxemia, with special emphasis on the plasma kallikrein-kinin system (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1992.



Ole Kristian Roald. Isoflurane, nitrous oxide, benzodiazepines and some of their antagonists. Effect on cerebral blood flow and metabolism (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1992.



Terje Veel. Tubulovesicles and secretin-dependent pancreatic and biliary HCO₃⁻ secretion. An experimental study in the pig (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1992.



Pål Aksel Næss. Influence of atrial and endothelial factors on renin release and renal hemodynamics. An experimental study on effects of atrial natriuretic factor, nitric oxide and endothelin in dog kidneys (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1993.



Knut Arvid Kirkebøen. Shortlasting myocardial ischemia and blood flow regulation. An experimental study (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1994.



Bente Ruud Karlsson. Cerebral ischemia: Effects of pharmacologic interventions on cerebral blood flow, neuronal damage and neurologic outcome in models of complete or near-complete ischemia (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1995.



Jon Offstad. Hemodynamic and metabolic consequences of myocardial low flow ischemia. Importance of endothelial factors, ion channels and wall stretch (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1995.



Ellen Schlichting. Gut ischemia and reperfusion. An experimental study with particular emphasis on the role of endotoxin (Thesis). Oslo, Dep. of Surgery and Institute for Experimental Medical Research, Ullevaal Hospital, University of Oslo. 1995.



Theis Tønnessen. Effects of ischemia on endothelin processing (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1995.



Olaug Villanger. Secretion from liver and pancreas under normal conditions and during hyperbilirubinemia. An experimental study with emphasis on bicarbonate secretion (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1995.



Elisabeth Leistad. Effects on atrial fibrillation and tachycardia on atrial function (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1996.



Oddvar Moen. Blood activation and biocompatibility evaluations of cardiopulmonary bypass systems. The importance of pump modus and heparin-coated surfaces (Thesis). Oslo, Dept. of Surgery and Institute for Experimental Medical Research, University of Oslo. 1996.



Lars Wik. Cardiopulmonary resuscitation: Effects of improving the early cardiopulmonary resuscitation and early advanced care links in the chain of survival for cardiac arrest victims (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1996.



Einar Schram Stokke. Mechanisms of electrolyte transport in the renal tubules with particular emphasis on lithium reabsorption. An experimental study in the dog (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1997.



Frank Grund. Ischaemic preconditioning. An experimental study of cardioprotection in anaesthetised pigs (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1998.



Svein Ove Semb. Restitution of sodium overloaded heart cells (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1998.



Even Holt. Excitation-contraction coupling in normal and failing cardiomyocytes (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1999.



George K. Kanellopoulos. Laser treatment of the myocardium. An in vivo experimental study (Thesis). Oslo, Hjerteforum, Institute for Experimental Medical Research, University of Oslo. 1999, 1-78.



Saulius Satas. Pharmacokinetics, posthypoxic hypothermia and cerebral microdialysis in the newborn pig (Thesis). Institute for Experimental Medical Research, Universitetet i Oslo. 1999.



Hilchen T. Sommerschild. Myocardial low-flow ischemia. An experimental study in pig hearts with special emphasis on the role of endogenous adenosine (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1999.



Øystein Anders Strand. Nitric oxide in sepsis. An experimental and clinical study (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1999.



Kjetil Sunde. Cardiopulmonary resuscitation - Quality of performance and how to further improve haemodynamics (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 1999.



Bjørn Atle Bjørnbeth. Bilirubinindusert cholestase (Thesis). Oslo, Institute for Experimental Medical Research, University of Oslo. 2000.



Ole Tjomsland. Acute Effects of Transmyocardial Laser Treatment (results from experimental and clinical studies). *Hjerteforum* 13, suppl. 5: 2000.



Ivar Sjaastad. Excitation-contraction coupling in post infarction congestive heart failure. *Hjerteforum* 14: 2001.



Finn Finsnes. The role of endothelin-1 in an experimental asthma-like airway inflammation (Thesis). Department of Pulmonary Medicine and Institute for Experimental Medical Research, Ullevaal university hospital and University of Oslo.



Ester Verburg. Skeletal muscle fatigue mechanisms - A study of muscle electrolyte homeostasis during intermittent submaximal isometric exercise in humans and rats. (Thesis). Institute for Experimental Medical Research, University of Oslo, 2002.



Per Kristian Bay Lunde. Skeletal muscle dysfunction and calcium handling in heart failure. (Thesis). Institute for Experimental Medical Research, University of Oslo, 2003.



Audun Langhelle. Out-of-hospital cardiac arrest. Challenging the guidelines of cardiopulmonary resuscitation. (Thesis). Institute for Experimental Medical Research, University of Oslo, 2003.



Knut Jørgen Labori. Features of bile formation and hepatocellular ultrastructure during hyperbilirubinemia. (Thesis). Institute for Experimental Medical Research, Faculty of Medicine, University of Oslo 2004.



Elizabeth Dorph. Out-of-hospital cardiopulmonary resuscitation. Quality of performance with focus on ventilation. (Thesis). Institute for Experimental Medical Research, Faculty of Medicine, University of Oslo 2004



Hanne Mari Schiøtz Thorud. Skeletal muscle abnormalities in congestive heart failure. (Thesis). Institute for Experimental Medical Research, Faculty of Medicine, University of Oslo 2005



Per Reidar Woldbæk. Cytokines and cardiac dysfunction. experimental studies in mice after myocardial infarction. (Thesis). Institute for Experimental Medical Research, Faculty of Medicine, University of Oslo 2005



Geir Florholmen. Cytokines and heart failure – new roles for leukemia inhibitory factor in cardiomyocyte energy metabolism and contractile function. (Thesis). Institute for Experimental Medical Research, Faculty of Medicine, University of Oslo 2006.



Jon Arne Kro Birkeland. Dysfunctional cellular signals in congestive heart failure. Institute for Experimental Medical Research, Faculty of Medicine, University of Oslo 2007.



Jo Kramer-Johansen. Reporting and improving quality of cardio-pulmonary resuscitation (CPR) during out of hospital cardiac arrest. Institute for Experimental Medical Research, Faculty of Medicine, University of Oslo 2007.



Fredrik Swift. Restricted diffusion of ions regulates cardiac function. Institute for Experimental Medical Research, Faculty of Medicine, University of Oslo 2007.



Janny Bøkenes. Causes of altered contractility of the failing rat heart. Institute for Experimental Medical Research, Faculty of Medicine, University of Oslo 2008



Alexandra Vanessa Finsen. Molecular mechanisms in heart failure. The role of syndecan-4 in development of myocardial hypertrophy and heart failure. Institute for Experimental Medical Research, Faculty of Medicine, University of Oslo 2008



Karl Esten Nakken. ABCB4 dysfunction and biliary disease. Institute for Experimental Medical Research, Faculty of Medicine, University of Oslo 2009.