Publications

Thesis for the degree Doctor Medicinae (≈ PhD)

”Effects of fat supplementation and dietary fibre on lipid droplet accumulation in cardiomyocytes. Relation to metabolism and myocardial performance.” Department of Anatomy and Cell Biology, Department of Surgery, and Department of Clinical Biology, Division of Biochemistry, University of Bergen, Norway 1995.

Publications in ”peer reviewed” journals

1. Bjugn R., Broen P., Fluge Ø., Heggem H., Hexeberg S., Midbøe G., Mjeldheim K., Munthe-Kaas E. Pasienter med alkoholproblemer. Tidlig identifikasjon og intervensjon i almenpraksis. Tidsskr Nor Lægeforen 1987;26:2253-5.

2. Willumsen N., Hexeberg S., Skorve J., Lundquist M., and Berge R.K. Docosahexaenoic Acid shows no triglyceride-lowering effects but increases the peroxisomal fatty acid oxidation in liver of rats. Journal of Lipid Research 1993;34:13-22.

3. Hexeberg S., Willumsen N., Rotevatn S., Hexeberg E., and Berge R.K. Cholesterol induced lipid accumulation in myocardial cells of rats. Cardiovascular Research 1993;27:442-446.

4. Hexeberg S., Willumsen N., Rotevatn S., Hexeberg E., and Berge R.K. Cholesterol induced lipid accumulation in myocardial cells of rats. Cardiovascular Research 1993;27:538.

5. Hexeberg S., Hexeberg E., Willumsen N., and Berge R.K. A study on lipid metabolism in heart and liver of cholesterol and pectin fed rats. British Journal of Nutrition, 1994;71:181-192.

6. Willumsen N., Skorve J., Hexeberg S., and Berge R.K. The hypotriglyceridemic effect of eicosapentaenoic acid in rats appears to be due to increased mitochondrial fatty acid oxidation followed by diminished lipogenesis. Lipids 1993;28-8:683-690.

7. Hexeberg S., Willumsen N., and Berge R.K. Eicosapentaenoic acid causes transient accumulation of lipids in rat myocardium. Biochim Biophys Acta 1995;1256:341-345.

8. Hexeberg S., Frøyland L., Asiedu D.K., Demoz A. and Berge R.K. Tetradecylthioacetic acid reduces the amount of lipid droplets, induces megamitochondria formation and increases the fatty acid oxidation in rat heart. J Mol Cell Cardiol 1995;27:1851-1857.

9. Hexeberg S., Hessevik I., and Hexeberg E. Intravenous lipid infusion results in myocardial lipid droplet accumulation combined with reduced myocardial performance in rabbits. Acta Physiologica Scandinavica 1995;153:159-168.

10. Hexeberg E., Fosse R.T., Hessevik I., and Hexeberg S. Midazolam in combination with fentanyl/fluanisone and nitrous oxide as anaesthesia in rabbits - Cardiovascular parameters. Laboratory Animals 1995; 29: 400-406.

11. Hexeberg S., Willumsen N., and Berge R.K. Docosahexaenoic induced lipid accumulation in myocardial cells of rats. Scandinavian Journal of Clinical & Laboratory Investigation 1994; 54: 665-671.

12. Hexeberg E., Westby J., Hessevik I., and Hexeberg S. Effects of endurance training on left ventricular performance in rabbits. Acta Physiologica Scandinavica 1995; 154: 479-488.

13. Totland GK, Madsen L, Klementsen B, Vaagenes H, Kryvi H, Frøyland L, Hexeberg S, Berge RK. Proliferation of mitochondria and gene expression of carnitine palmitpyltransferase and fatty acyl-CoA oxidase in rat skeletal muscle, heart and liver by hypolipidemic fatty acids. Biol Cell 2000;92(5):317-29.

14. Hexeberg S, Retterstøl K. Hypertriglyseridemi – diagnostikk, risiko og behandling. Tidsskr Nor lægeforen 2004;124:2746-2749.

15. Reikvam Å, Hexeberg S, Kvien TK, Slørdal L et al. Klinisk bruk av COX-hemmere – en konsensus. Tidsskr Nor lægeforen 2006;126:591-5.

16. Hexeberg S, Lindberg FA. Kvinnelig insulinbruker med diabetes type 2 og vektproblemer. Tidsskr Nor Legeforen 2008; 128: 443-5.

17. Konradsen S, Ag H, Lindberg F, Hexeberg S og Jorde R. Serum 1,25-dihydroxy vitamin D is inversely associated with body mass index. Eur J Nutr 2008; 47: 87-91.

18. Hexeberg S. Ekstrem vektreduksjon uten kirurgi. Tidsskr Nor Legeforen; 129: 2497.

19. Lagunova Z, Porojnicu AC, Lindberg F, Hexeberg S og Moan J. The dependency of vitamin D status on body mass index, gender, age and season. Anticancer Res 2009; 29: 3713-20.

Abstracts accepted at Congresses and Scientific Meetings

1. Willumsen N., Hexeberg S., Lundquist B., and Berge RK. Docosahexaenoic acid shows no lipid lowering effects, but increases mitochondrial and peroxisomal fatty acid oxidation in liver of rats. 16th Scandinavian Symposium on Lipids, Proceedings p38, Hardanger, Norway, June 1991.

2. Willumsen N., Hexeberg S., Lundquist B., and Berge RK. Docosahexaenoic acid shows no lipid lowering effects, but increases mitochondrial and peroxisomal fatty

acid oxidation in liver of rats. JCBL 32nd International conference on the biochemistry of Lipids, Granada, Spain 18-21 September 1991.

3. Willumsen N., Hexeberg S., Lundquist M., and Berge RK. Effect of omega-3 fatty acids on mitochondrial and peroxisomal fatty acid oxidation and on key enzymes in the triglyceride metabolism. Lipidforum, Seminar on metabolic aspects of peroxisomal beta-oxidation, Oslo, Norway 24-25 april 1992.

4. Hexeberg S., Willumsen N., Rotevatn S., Hexeberg E., and Berge R.K. Cholesterol induced lipid accumulation in myocardial cells of rats. 5. Nordiske ernæringskongress, Reykjavik, Island 14-17 juni 1992.

5. Hexeberg S., Willumsen N., and Berge R.K. Effects of eicosapentaenoic acid and docosahexaenoic acid on lipids and beta-oxidation in the rat heart. The 3rd International Conference on Preventive Cardiology, Oslo, Norway. 27 June-1 july 1993.

6. Hexeberg S., Hexeberg E., Willumsen N., and Berge R.K. A study on lipid metabolism in heart and liver of cholesterol and pectin fed rats. The 3rd International Conference on Preventive Cardiology, Oslo, Norway. 27 June-1 july 1993.

7. Hexeberg E., Westby J., Hessevik I., and Hexeberg S. Effects of endurance training on left ventricular performance in rabbits. First Scandinavian Congress in Sports Medicine, Oslo, 5-8 November 1993.