Gamma-linolenic acid in human diabetic neuropathy and cancer p. 3
Mammalian lipoxygenases with special reference to arachidonate 12-lipoxygenase p. 7
Measurement of eicosanoids; An overview p. 13
The regulation of 20- and 22-carbon polyunsaturated fatty acid biosynthesis p. 19
Properties of phospholipases A[subscript 2] preferentially catabolizing arachidonyl phosphatidylcholine or phosphatidylethanolamine in a mouse macrophagelike cell line, RAW264.7 p. 23
Possible participation of type II phospholipase A[subscript 2] in arachidonate metabolism p. 27
Bifunctional roles of leukotriene A[subscript 4] hydrolase p. 31
The capability of the microsomal synthesis of docosahexaenoic acid in livers and brains of suckling and weaning rats p. 35
Effect of sesamin and curcumin on [Delta]5-desaturation of n-6 and n-3 fatty acids in rat primary cultured hepatocytes p. 37
Thiobarbituric and reactive substances (TBARS) level in blood and in liver homogenates of albino BALB/c and black S57BL/6J mice p. 39
Properties of HODE generation in mouse epidermis p. 41
Inhibition of diacylglycerol production in rat 6 cells that stably express only the regulatory domain of protein kinase C [beta]1 p. 45
Polyunsaturated fatty acids of human hepatocellular carcinoma tissues p. 51
Effects of methyl deficient diets on the fatty acid compositions, lipid peroxidation, and glutathione S-transferase activities of murine hepatocellular carcinogenesis p. 57
Dietary factors and colon cancer p. 59
Effect of perilla oil rich in n-3 fatty acid on colon carcinogenesis in MNNG-treated rats p. 65
[Delta][superscript 7]-PGA1 lipidmicrospheres - Pharmaceutical properties and preclinical evaluations p. 67
Regulation of immune system functions by dietary essential fatty acid balance p. 73
Dietary EFAs in the therapy of abnormal immune response p. 77
Regulation by dietary essential fatty acid balance of tumor necrosis factor production in mouse macrophages p. 81
Dietary marine lipids suppress the induction of prointerleukin-1[beta] gene transcription p. 83
Multiple effects of eicosapentaeanoic acid on the arachidonic acid metabolism in human platelets p. 87
Intravenous injection of eicosapentaeonic acid and depression of acute inflammation p. 91
Anti-inflammatory effect of eicosapentaeanoic acid - Treatment of psoriasis by EPA p. 95
Anti-inflammatory effect of eicosapentaeanoic acid on the skin p. 99
Assessment of serum lipid in patients of rheumatoid arthritis p. 101
Lipid peroxidation and benzo(a)pyrene cooxygenation p. 107
Does fish-oil supplement affect hyperbaric oxygen toxicity and lipid peroxidation? p. 111
Effects of leukotriene and PAF inhibitors on hyperbaric oxygen toxicity  p. 113

Thiobarbituric acid reactive substances (TBARS) level in healthy mice and B16 melanoma-bearing mice  p. 115

Effect of the type of dietary fats on lipid peroxidation status in N-methyl-N'-nitrosoguanidine(MNNG)-treated rats  p. 117

Effects of dietary n-3, n-6 fatty acids and 2-acetylaminofluorene on the glutathione-dependent enzyme activities in rats  p. 119

Serum fatty acid composition in hyperlipidemic females  p. 123

The LDL receptor pathway delivers polyunsaturated fatty acids to cultured cells for the synthesis of eicosanoids  p. 127

Interaction between LDL and vascular endothelial cells. Reciprocal regulation of EDRF release and lysolecithin acyltransferase activity by LDL in thrombin-stimulated endothelial cells  p. 133

Polyunsaturated fatty acids: The Paradox of low HDL with low atherosclerosis  p. 137

The effect of dietary n-3 fatty acids on the atherogenic properties of low density lipoproteins (LDL) and atherosclerosis in nonhuman primates  p. 141

Serum lipids, apolipoproteins and polyunsaturated fatty acids levels in patients with coronary heart disease  p. 149

Fish oil supplements for prevention of restenosis after coronary angioplasty  p. 153

Fish and fish oils in the prevention of restenosis after coronary angioplasty  p. 157

Anti-atherogenic and anti-thrombotic action of eicosapentaenoic acid (EPA)  p. 161

Protective effect of purified eicosapentaenoic acid ethyl ester on acute myocardial ischemia in rats  p. 165

Biological role of hydroxylated fatty acids in platelet and vascular smooth muscle function  p. 169

Effect of spontaneous hypertension on rat liver metabolism of n-3 fatty acids  p. 173

Influence of eicosapentaenoic acid and docosahexaenoic acid loading in stroke-prone spontaneously hypertensive rats  p. 177

Effects of docosahexaenoic acid on blood pressure, fatty acid composition of kidney and renal prostaglandins in Dahl salt sensitive rats  p. 183

Effect of docosahexaenoic acid ethylester on fatty acid composition of aorta and liver in Dahl salt sensitive or resistant rats  p. 185

Effect of dietary polyunsaturated fat on gene expression in liver  p. 189

Animal models of abnormalities in essential fatty acid metabolism in diabetes mellitus  p. 193

Dietary modulation of membrane content of very long chain fatty acids (VLCFA [actual symbol not reproducible]) in photoreceptors of normal and diabetic rats  p. 197

High glucose causes dysfunctions in human vascular endothelial cells and preventive effects of eicosapentaenoic acids  p. 201

Fatty acid composition of adipose tissue on Korean diabetics  p. 203

Effects of eicosapentaenoic acid on diabetic complications - Basic (I) and clinical (II) study  p. 205

Lipid homeostasis of biological membranes and its functional significance  p. 211

Effect of maternal dietary fats on fatty acid compositions in brain and liver glycerophospholipids of lactating mice and their suckling pups  p. 215
The effect of dietary habits of mothers on the fatty acid compositions of breast milks from Japanese lactating mothers

Differential effect of dietary docosahexaenoic and eicosapentaenoic acids on lipid metabolism in rats

Effect of polyunsaturated fatty acid on absorption and micellar solubility of cholesterol

Study on the metabolism of [alpha]-linolenic acid in humans

Metabolism of a n-3 PUFAs of a long term TPN patient

Studies on intravenous administration of n-3 essential fatty acids in total parenteral nutrition

Improvement of polyunsaturated fatty acid deficiency in decompensated cirrhotic patients by arachidonic acid-rich oil capsules

Elevation of insulin response to hepatic glucose-6-phosphate dehydrogenase activity of rats by a low polyunsaturated fatty acid diet

Effects of dietary oil and fat on gluconeogenic enzyme activities of exercised rat livers

Peroxisome proliferation effect of heated n-3 polyunsaturated fatty acid esters on mouse liver

Effect on dietary n-3, n-6 fatty acids on phase I drug metabolizing enzyme system in 2-acetylamino fluorene treated rat liver

Effect of eicosanoids of lipoxygenase pathway on testicular androgenesis

Effects of n-3 fatty acid deficiency during pregnancy and lactation on learning ability of rats

The effect of marine oil-supplemented formulas with and without eicosapentaenoic acid on the n-3 and n-6 fatty acid status and growth of premature infants

Ultrastructural study of hippocampus synapse in perilla and safflower oil-fed rats

Effect of a high linoleate and a high [alpha]-linolenate diets on size distribution of phagosomes in retinal pigment epithelium

Plasma phospholipid eicosapentaenoic and docosahexaenoic acid concentrations are divergently associated with plasma lipids in adults as well as with mental development in preterm infants

The requirement of [alpha]-linolenic acid for rat brain is minimal

Dietary [omega]3/[omega]6 fatty acids and neurotransmitters in rat brain

Membrane status and antiperoxidative defense in the brain correlate with the extent of iron-induced CNS hyperexcitability

Various fats and fatty acids affect brain 5-hydroxyindoles of rats

Multiple sclerosis (MS); A target for elimination?

Index of Authors

Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.