

Subject Index to Volume 17

- Absorption, jejunal 381
Acetylcholine 331
Achalasia 532
Acinar cells 899
Acrodermatitis enteropathica 239, 354
ACTH insensitivity 532
ACTH tests 861
Acute renal failure 985
Acyl-CoA dehydrogenation deficiencies 828
Adenosine 331
Adenosine deaminase 935
Adenylate cyclase 101, 553
Adrenal gland 131, 362, 861
 α -Adrenergic blockage 464
Adrenergic receptor 523
 β -Adrenergic receptor 213, 553
 α -Adrenoceptors 177
Aerosolization, jet 742
Aerosolization, ultrasonic 742
Agar 810
Airway 508
Alacrima 532
Albumin 141, 850
Aldosterone 195
Allergy, milk 406
Alzheimer II 970
Amino acid 704, 710, 733
Aminophylline 188, 331
Ammonia 729
Amniotic fluid 541, 976
Amrinone 720
Amylase 806, 998
Amylase, mammary 15
Anemia 70, 168, 503
Angiotensin 195, 210, 331
Angiotensin I 762
Angiotensin-converting enzyme
Angiotensin, kidney 210
Anophthalmia 313
Antibodies, adrenal 861
Antibody, jejunum 406
Antibody, passive 707, 724
Antigen, enteric 449
Apnea 35, 188, 213, 550, 592
Apoprotein 83, 439
Arginase 941
Arginine vasopressin 583
Arginine vasotocin 583
Arylsulfatase A deficiency 701 (Sept)
Aspartate aminotransferase 884
Aspiration 976
Asthma 508
Astrocytes 970
Ataxia 25
Atropine 331
Autoimmune adrenalitis 861
Autonomic nervous system 162, 491
Autoregulation 246
Behavior 872
Behavior, sleep 802
Beta cell 758
Betamethasone 111
Bicarbonate 486
Bile 716
Biliary atresia 296
Bilirubin 120, 192, 208, 888
Bilirubinometry 888
Biotin 61
Blood, cord 57, 474
Blood, viscosity 452
Blood flow 908, 945
Blood flow, cerebral 70, 77, 246, 908
Blood flow, organ 919
Blood flow, systemic 254
Bone 204, 259
Bradycardia 945
Brain 8, 344, 349, 514, 606
Brain, blood flow 70, 77, 246, 908
Breath test 629
Bromocriptine 665
Bronchiolitis 753
Bronze baby syndrome 327
Caffeine 592
Calcium 784, 856, 912
Carbohydrate 15, 124, 157, 629, 733, 931
Carbonic anhydrase 390
Cardiac output 903, 919
Cardiomyopathy 319
Cardiopulmonology 680
Carnitine 579, 877
Carnitine deficiency 319
Casein 912, 1008
Catecholamine 456
Cerebroside sulfate 701 (Sept)
Charcoal 208
Chemotaxis 496
Chemotaxis 57, 183, 292, 993
Chloride 267
Chlorothiazide 117
Cholera toxin 553
Cholestasis 327
Cholesterol 124, 689, 770, 788
Cholesterol ester storage disease 770
Chromosome 398
Chromosome, abnormality 1
Chromosome, translocation 398
Chronic granulomatous disease 916
Cimetidine 820
Circulation, kidney 620
Circulation, scalp 982
Clearance methods 1013
Clindamycin 916
Coagulation 482
Coffin-Lowry syndrome 926
Colonization 472
Colostrum 825, 868
Coma 959
Complement 296, 685, 952
Congenital adrenal hyperplasia 131
Congenital defects 263
Consumption 729
Copper 784, 912
Cor pulmonale 720
Corticosteroid 766
Cyclic AMP 959
Cyclooxygenase 107
Cystic fibrosis 30, 65, 181, 267, 486, 523, 701, 747, 850, 899, 931, 952
Cytochrome P-450 828
Cytokine 868
Cytotoxicity 868
Dehydration 919
Dehydroepiandrosterone sulfate 131
Depressor effect 924
Development, embryonic 313
Dexamethasone 274
Diabetes mellitus 101, 200, 587
Diagnosis, prenatal 541
Diarrhea 381
Dibutyl cyclic-AMP 331
Dicarboxylic acid 828, 877
Dicarboxylic aciduria 171
Diet 319
Disaccharide 381
Diuresis 1013
L-Dopa 924
Dopa decarboxylase 924
Dopamine 464
Down's syndrome 292
Ductus arteriosus 331
Energy, storage 891
Enkephalin 162
Enteropathies 406
Enterotoxin 1008
Epinephrine, synthesis 362
Erythrocyte 250, 376, 452, 567, 579, 672, 935
Escherichia coli 349, 1017
Estradiol 689
Estrogen 1
Ethanol 529, 704
Excretion 737
Exercise 267
Familial erythrophagocytic lymphohistiocytosis 413
Fanconi syndrome 157, 710
Fasting 285, 319
Fat 220, 634, 716, 891
Fat, brown 362
Fatty acid 61, 171, 224, 877
Fetal alcohol syndrome 529, 704
Fetal lung 596
 α -Fetoprotein 47
Fibroblast 97, 239, 541
Fibronectin 482
Fluphenazine 665
Folic acid 61
Free fatty acids 634
Fumarylacetoacetate fumarylhydrolase 541
Furosemide 141
Gastroenterology, developmental 19
Gastrointestinal barrier 856
Galactose 157, 609, 931
Ganglioside 413
Gastrointestinal tract 19
Gaucher's disease 344
Genetic damage 192, 234
Glomerulus 762
Glucagon 51, 101
Glucocorticoid 111, 672
Glucose 51, 285, 319, 634, 729, 758, 998
Glucose-6-phosphatase translocase 545
Glucosylceramide 344
Glutathione 562
Glycogen 587, 766
Glycogenolysis 639
Glycogen phosphorylase 587
Glycogen storage disease 157, 545
Glycogen synthase 587
Glycolysis 639
Glyconeogenesis 639
Glycoprotein 30, 65
Glycosylation 200
Gonadotropin 676
Granulocyte 57
Granulocytic stem cell 278
Growth 676
Growth hormone 592, 676
Growth retardation 602
Guanine nucleotides 553
Heart 263, 319, 567, 680
Heart rate 267, 491, 651, 872, 903
Heat, body 135
Hemoglobin 200
Hemoglobin, corpuscular 168
Hemoglobin, unstable 503
Hemophilus influenzae 472
Hemorrhage 70
Hepatic catalase 714
Hepatic uricase activity 714
Hepatitis 296, 814
Hepatocyte 609

- Hepatosplenomegaly 307
 Histamine 820
 Hydrocarbon pneumonitis 657
 Hydrocortisone 131
 21-Hydroxylase deficiency 131
 4-Hydroxyphenylpyruvate deoxy-
 genase deficiency 25
 Hyperactivity 802
 Hyperammonemia 970
 Hyperbilirubinemia 461, 810
 Hypercalciuria 117
 Hypercapnia 567
 Hyperglycemia 51
 Hyper-IgE syndrome 820
 Hyperketonemia
 Hyperlipoproteinemia 835
 Hypernatremia 919
 Hyperoxia 368
 Hypertyrosinemia 92
 Hypoalbuminemia 850
 Hypocarbica 70
 Hypocortisolism 861
 Hypoglycemia 171, 319, 877
 Hypoketonemia 319
 Hyponatremia 606
 Hypotension 77
 Hypothermia 945
 Hypothyroidism 8, 111, 468
 Hypoxemia 195, 254
 Hypoxia 567

 IgE 820
 IgG 931
 Ileum 1008
 Imidazole 331
 Immunity 338, 935
 Immunity, cellular 753, 820
 Immunity, humoral 753, 820
 Immunization 449
 Immunization, oral 707, 724
 Incubator 135
 Indomethacin 331
 Infection, bacterial 685
 Influenza 338
 Injury, tissue 482
 Insulin 111, 672, 758
 Interferon 573, 868
 Intestinal transport 733
 Intestine 65, 148, 354, 537, 625
 Intralipid 478
 Intrauterine growth retardation
 704
 Iodine 8
 Iodocompounds 8
 Ion content, brain 606
 Iron 168, 912
 Isoenzymes, mitochondrial 884

 Jejunum 406
 Jejunum, absorption 381

 Kallikrein 737
 Ketogenesis 224, 877
 Ketone 51
 Kidney 42, 141, 177, 390, 514,
 620, 737, 762, 766, 985, 1013
 Krebs cycle 639
 Lactate 729
 Lactose 629, 825
 Larynx 550
 Laser therapy 120
 Leukemia, acute 398
 Leukocyte 97, 916
 Leukodystrophy 701
 Lipase 716, 770, 806
 Lipid 61, 83, 124, 344, 742, 835
 Lipoprotein 689, 788, 835
 Liquid ventilation 680
 Liver 101, 111, 224, 285, 413, 514,
 541, 562, 609, 714, 1017
 Liver, metabolism 639
 Liver disease 296, 319
 Lung 30, 230, 274, 303, 338, 362,
 368, 439, 508, 553, 657, 680,
 720, 747, 959, 976, 1002
 Lymphocyte 474, 541, 573, 799,
 820, 935
 Lymphohistiocytosis 413
 Lymphokine 573, 799
 Lysozyme 241

 Macrophages, milk 241
 Magnesium 263, 784, 912
 Maleic acid syndrome 710
 Malformations 313
 Malformations, congenital 83
 Malnutrition 806
 Malnutrition, fetal 704
 Mannitol 583
 Meconium 976
 Medium-chain acyl-CoA dehy-
 drogenase 877
 α -Melanocyte 903
 Metabolism, brain 285
 Metabolism, liver 285
 Metachromatic leukodystrophy
 701 (Sept)
 Methoxamine 331
 4-Methylumbelliferyl *p*-quanidi-
 nobenzoate 850
 Methysergide 331
 Microphthalmia 313
 Microvillus 856
 Milk, cow 406
 Milk, human 61, 241, 468, 716,
 825, 835, 891, 912
 Minerals 784
 Mitochondrion, isoenzymes 884
 Mitogen 474
 Monocarboxylic acids 828
 Monocyte 183, 292
 Monoxygenase 828
 Mucin 65, 899
 Multiple sulfatase deficiency 97
 Multivitamin 192
 Muscle 602
 Myocardium, function 567

 Necrosis, brain 349
 Neonate 976
 Nephrotic syndrome 733
 Nerve, vagus 491
 Nerve, cardiac 491
 Neural system 8
 Neural tube defects 47
 Neurons 970
 Neutropenia 278, 795
 Neutrophil 183, 281, 358, 662,
 795, 814, 820, 993
 Niacin 61
 Nitrogen 891
 Norepinephrine 331
 5'Nucleotidase 474
 Nutrition 579, 602
 Nutrition, newborn 478
 Nutrition, parenteral 478

 Occipito-frontal circumference
 949
 Oposonization 952
 Osteoblasts 204
 Osteogenesis imperfecta tarda 204
 Ouabain 220
 ω -Oxidation 828
 Oxidation, fatty acid 877
 Oxygen 195, 368, 567, 729
 Oxygen, consumption 254, 514
 Oxygen, toxicity 181
 Oxygenation, arterial 246

 Pancreas 486, 758
 Pancreas, enzymes 806
 Pepsin 15
 Peptides, chemotactic 993
 Petchiae, lung 230
 Phagocyte 814
 Pharmaceutical 617
 Phentolamine 331
 Phenylethanolamine *N*-methyl
 transferase 362
 Phospholipids 742
 Phototherapy 120, 192, 208, 234,
 461, 810, 888
 Picolinic acid 239
 Pituitary gland 592, 676
 Placenta 449
 Placenta, growth 587
 Placenta, human 729
 Pneumonia 753
 Pneumonitis, hydrocarbon 657
 Polymorphonuclear leukocytes
 496
 Porphyrin 327
 Precolostrum 825
 Prednisone 672
 Prolactin 665
 L-Proline 42
 Propanol 720
 Propranolol 331
 Prostacyclin 537
 Prostaglandin 107, 331
 Prostaglandin E₂ 241, 537, 669
 Protein 124, 241
 Protein, kinase 959
 Protein, milk 707, 724
 Protein, phosphorylation 959
 Proteoglycans 926
Pseudomonas aeruginosa 747, 952
 Pulmonary vasculature 720
 Pulsatility index 908

 Receptors, β -adrenergic 274
 Receptors, pituitary 270
 Renin 210, 762
 Renin, high molecular weight 376
 Reserpine 486, 523
 Respiration 152, 188, 213, 508,
 550
 Respiration, sleep 35
 Respiratory distress syndrome 35,
 162, 448, 742
 Respiratory failure 567
 Respiratory syncytial virus 753
 Retardation, psychomotor 307
 Reticuloendothelial system 482
 Reye's syndrome 877, 884
 Rhinitis 472
 Riboflavin 234
 Rifampin 916
 Rotavirus 868

 Scalp, blood flow 982
 Screening 296
 Sepsis 278, 795
 Septic shock 482
 Serotonin 331
 Severe combined immunodeficiency
 935
 Shock 919
 Sialic acid 307, 413, 931
 Skull 949
 Sleep states 35, 152
 Social interaction, parent-infant
 872
 Sodium 267, 737, 1013
 Speech, infant 625
Staphylococcus 657, 916
 Starvation 634
 Starvation, maternal 639
 Stimulating hormone 903
 Stimuli, auditory 802
 Stomach 669, 998
Streptococcus, group B 107, 278,
 358, 496, 685, 795, 1002
 Streptozotocin 587
 Stress 358
 Stress, heat 267
 Sublingual gland 523
 Substance P 737
 Sudden infant death syndrome
 230, 784
 Sulphamethoxazole 820
 Sulfamethazole 916
 Superoxide 281, 662
 Superoxide dismutase 181
 Surfactant 439, 448
 Sweat gland 701 (Aug)
 Synaptogenesis 8

 Tachycardia 651
 T cell 573
 Temperature, ambient 254
 Testosterone 689
 Theophylline 532, 592
 Thermogenesis 220
 Thyroid gland 592
 Thyroid hormones 468
 Thyroid releasing hormone 270
 Thyroid stimulating hormone 270
 Thyrotropin 592
 Thyrotropin-releasing hormone
 592
 Thyroxine 562, 592, 596
 Tonsure effect 982
 Toxemia 1002

- Trachea 338
Transcutaneous 888
Trauma 482
Triglyceride 319
3, 5, 3' Triiodothyronine (T₃) 596
3, 5', 3' Triiodothyronine (rT₃) 596
Trimethoprim 820, 916
Turner's syndrome 1
- Tyrosine 541
Tyrosinemia 25, 92
Tyrosinemia, hereditary 541
- Ulcer 669
Ultrasound, Doppler 908
Uranyl nitrate 985
Urogastrone 825
- Vasopressin, arginine 583
Ventilation, liquid 303
Vibrio cholerae 1008
Virus 472
Vitamin D₂ 97, 117
Vitamins, B 61
Volume, skull 949
- Water, brain 606
- Water, tissue 665
Water, transfer 583
Whey proteins 912
Wolman's disease 770
- Zellweger syndrome 514
Zinc 148, 239, 354, 529, 562, 784, 912