

Index to Volume 13

- Aborted SIDS 136
Acetylcarnitine 10
Acetylcholine 1052
Acetylcholinesterase 1217
Acid secretion 36
Acidosis, acute and perinatal 178
Acute rheumatic fever 16
Adams, F. H. 777
Adenosine deaminase deficiency 649
Adipose tissue 626
Adrenergic receptors 1024
Affinity chromatography 91
Agee, C. C. 31
Aiuti, F. 797
Akakoshi, I. 1134
Aldosterone 603, 755, 1379
Aleck, K. A. 1179
Allan, W. C. 1121
Allen, L. G. 184
Alpin, C. E. II 924
Alternative pathway of complement activation 641
Altman, Y. 803
Alvear, J. 215
Ambrose, S. 707
Ament, M. E. 36
Amino acids 65, 100, 236
Amino acid transport 854, 861, 1058
Aminoaciduria, neonatal 854, 861
Aminophylline 1330
Ammirati, P. 797
Ammonia 117
Amniotic fluid 654
c-AMP 884
Amylase 1024
Anand, R. S. 783
Anderson, A. 788
Anderson, D. W. 208
Andres, J. M. 1290
Angiotensin 603
Anthropometry 170
Antibody response 987
Antidiuretic hormone 257, 606, 841, 884
Aortic pressure 1271
Aortic stenosis, supraaval 121
Apnea 1144, 1271
Arashima, S. 1134
Arginase deficiency 827
Arginine vasopressin 257, 606, 841
Argioli, F. 812
Arnold, M. 215
Arterial-alveolar differences 1167
Arterial blood flow 1271
Arylsulfatase B 1203
Asphyxia 1
Ataxis telangiectasia 803
Atkin, B. M. 38, 109, 1101
Atropine 1271
Auricchio, S. 1255
Autonomic nervous system 139
Averill, D. R. 52
Bacterial infection 1093
Baehner, R. L. 769
Bakay, B. 1365
Ballowitz, L. 1307
Balsan, S. 973
Banker, B. Q. 109
Barbero, G. J. 760
Bard, H. 167
Barnard, D. R. 1330
Barnes, A. 265
Barnett, D. R. 1137
Barrett, C. T. 752, 1336
Barrow, R. E. 924
Basement membranes 774
Basner, R. 1316
Bass, N. H. 26
Basuyau, J.-P. 647
Battaglia, F. C. 117
Becker, N. 1141
Beckerman, R. C. 1137
Bell, E. F. 1012
Bellanti, J. A. 672
Beran, A. V. 821
Beratis, N. G. 206
Bercu, B. B. 142, 246
Berenson, G. S. 170
Berkel, A. I. 16
Berlin, R. D. 1058
Bidot-López, P. 1002
Bilirubin 1326
Binswanger, U. 963
Biological half-life 635
Biopsy 1240
Biotin 746, 1275
Birdwell, R. L. 611
Birth 611, 1285
Björkstén, B. 737, 1341
Bland, R. D. 1037
Blandin-Savoja, F. 21
Blastocyst 937
Bleasdale, J. E. 1182
Blessing-Moore, J. 1030
Blood 752, 1280, 1361
Blood-brain 161
Blood, cord 148
Boat, T. F. 1129
Body fat 7, 170
Body weight 104
Boffey, P. M. 726
Bonderman, P. 1326
Bone 1105
Bossen, A. 1030
Bove, K. E. 121
Bowes, J. E. 716
Boxer, L. A. 769
Boxerkaum, B. 1085
Boychuk, R. B. 875
Boyden's chamber method 148
Boyer, K. M. 1015
Braddock, M. E. 1024
Bradycardia 1052
Brain 26, 585, 1141
Brain carbohydrate metabolism 52
Branched-chain amino acids 889
Brand, N. 1179
Brandt, N. J. 977
Brazy, J. 599
Brent, R. L. 1211
Bressack, M. A. 1037
Bright, M. J. 31
Brooke, O. G. 215
Brokowsky, W. 649
Brumley, G. 599
Brunelle, P. 647
Bucciarelli, R. L. 178
Buch, M. 10, 626
Buchino, J. J. 121
Buist, N. R. M. 109
Bumpers, B. 704
Bunjamin, A. 1307
Burghen, G. A. 870
Businco, L. 797
Butler, J. D. 1350
Byrne, W. J. 36
Cabal, L. 1163
Cadmium 197
Cahill, F. 265
Calcagno, P. L. 774, 1379
Calcitonin 1
Calcium 1, 963, 1262
Calvani, M. 797
Cao, A. 812
Carbohydrate 1065
Carcinoembryonic antigen 91
Cardiac dimensions 910
Cardiac function 910
Cardiac output 910, 1112
Cardiac sympathetic nerves 136
Cardiopulmonary disease 1163
Cardiovascular function 1112
Carnitine 10
Carper, J. 720
Carrier detection 1101
Carter, J. N. 211
Cartilage 904, 1222, 1266
Cassiman, J. J. 1384
Cates, D. 875, 982
Cathelineau, L. 207
Catterton, W. Z. 104, 1144
Cavalli-Sforza, L. L. 1030
Cederbaum, S. D. 827
Cell aging 1231
Cell culture 764, 1097
T-Cell defects 797
T-Cell function 803
Cellular immunity 16
Cellular immunodeficiency 803
Cerebral vascular bed 178
Cerebrospinal fluid 26
Ceruloplasmin 845
Champion, J. G. 1015

- Chan, G. M. 121, 1383
 Chan, J. C. M. 591
 Chan, W.-Y. 197, 204
 Char, V. C. 1018
 Charache, S. 851
 Chemotactic function 148
 Cherry, J. D. 1015
 Chesney, R. W. 854, 861
 Chest distortion 982
 Chez, R. A. 788
 Cholesterol synthesis 1121
 Choline 635
 Cholinergic innervation 1217
 Chondrocyte 904, 1266
 Chorionic somatomammotropin 194
 Chow, D. M. 1356
 Christensen, M. B. 1371
 Christie, A. 1301
 Chromosome abnormalities 1247
 Chronic granulomatous disease 769
 Chronic hemodialysis in children 591
 Chronic pancreatitis 1030
 Chronic reserpine administration 1024
 Chymotrypsin 969
 Cigarette smoke 987
 Ciliary activity 31
 Ciliary dyskinesia factor 729
 Circulation 900
 Citrate synthase 38
 Citrullinemia 1134
 Clark, A. 44
 Cleavage 937
 Clopath, P. 845
 Clutario, B. C. 1285
 CO₂ 982, 1065
 Cohen, M. I. 644
 Cohn fractionation 845
 Collagen 904, 1222, 1266
 Collagen, metabolism 774
 Colostrum, human 737
 Complement 1043, 1093, 1341
 Complement, synthesis of 188
 Concentrating capacity 884
 Congenital renal alkalosis 1379
 Conjoined twins 924
 Constant positive pressure breathing 1167
 Continuous distending airway pressure 261
 Continuous distending pressure 250
 Continuous intravascular electrode 821
 Cooper, C. 1024
 Cooper, R. B. 987
 Copper 197, 845, 959, 1222, 1280
 Corket, A. J. S. 1167
 Cord blood 641, 845
 Cortisol 96
 Corrigan, Jr., J. J. 48
 Cortisol 1097
 Cotton, R. C. 1211
 Cotton, R. G. H. 1150
 Courtney, J. D. 1167
 Cousins, L. 1
 Cowett, R. M. 594
 C1q 1043
 Creasy, R. K. 1089
 Creatinine 1012
 Crenshaw, Jr., C. 599
 Crying, 900
 Csaba, I. 817
 Cultured glia 1121
 Cystic fibrosis 31, 131, 729, 764, 834, 1030, 1129, 1137, 1156, 1160, 1371, 1384
 Cystine 1350
 Cystinosis 1350
 Cystinuria 827
 Daabees, T. T. 894
 Dahms, W. T. 7
 D'Amelio, R. 797
 Dancis, J. 236
 Danks, D. M. 1150
 Das, M. 632
 Davi, M. 982
 Davidson, G. 1077
 Davis, C. A. 1043
 Dearborn, D. G. 1085
 de Groot, I. 1082
 de Leon, L. B. 1125
 De Menibus, C. H. 647
 De Meyer, R. 1065
 Demko, C. A. 1085
 De Ritis, G. 1255
 Dermatan sulfate 1203
 Deseda-Tous, J. E. 1015
 Desjeux, J. F. 1240
 Desnick, R. J. 1179, 1294
 Developmental hepatology 1290
 De Virgiliis, S. 812
 De Witt, D. P. 1326
 DeWolfe, M. S. 959
 Diabetes 1, 752, 1323
 Diaphragm configuration 250
 Diastrophic dwarfism 904
 Diazepam 992
 C₆-C₁₀-Dicarboxylic acid 977
 Diet 10
 Dietary composition 7
 Digestion 1018
 Digoxin 26
 Dihydropterine reductase (DHPR) 1150
 24,25-Dihydroxyvitamin D 973
 Dimmick, J. E. 1323
 Dinari, G. 644
 Dinwiddie, R. 900
 Di Paolo, R. 845
 2,3-Diphosphoglycerate 167
 Dizio, D. 774
 DNA 1125
 Dobutamine 1006
 Dodge, M. 1
 Döfner, Z. 803
 Donahoe, P. K. 142, 246
 Donckerwolke, R. A. 1177
 Dönges, H. 152
 Dopamine 1006
 Down's syndrome 803
 Downing, C. J. 916
 Driscoll, D. J. 1006
 Dukin, J. W. 1375
 Duc, G. 963
 Duchenne muscular dystrophy 152
 Duckworth, W. C. 870
 Dudley, J. P. 1015
 Dumas, R. 1105
 Dumontier, A. M. 1240
 Dupont, B. 1356
 Durie, B. G. M. 1137
E. coli 737
E. coli endotoxin 1290
 Echinocyte formation 152
 Effros, R. M. 841
 Eitzman, D. V. 178
 Elastase 969
 Elders, M. J. 96
 Electrocardiogram 139
 Electrolyte balance 817
 Electron spin resonance spectroscopy 845
 Embryo 937
 Endochondral growth plate 904, 1266
 Endotoxin activity 48
 Endotracheal tube leakage 60
 Energy 215
 Eng, G. 591
 Enolase 1231
 Erenberg, A. 230
 Enzyme inhibition 889
 Epidermal growth factor (EGF) 104
 Epithelium, ciliated 131
 Epstein, M. A. F. 136, 139
 Epstein, R. A. 136, 139
 Ergocalciferol 973
 Ertl, T. 817
 Erythrocytes 649
 Erythrocytes, rheology of 152
 Erythropoiesis 851
 Escobedo, M. B. 104
 Euler, A. R. 36
 Evaporation through skin 1072
 Exchange transfusion 963
 Experimental meningitis 52
 Factor B 641
 Faiman, C. 211
 Fallstrom, S. P. 26
 Familial renal iminoglycinuria 65
 Fat 615
 Fatty acid oxidation 10
 Favism 812
 Feather, M. S. 760
 Feig, S. A. 632
 Feigal, R. J. 764
 Feline, 1203, 1294
 Feline GM₂ gangliosidosis 916
 Fenton, L. J. 641
 Fernandes, J. 225
 Ferritin, 143
 Fetal erythropoiesis 1231
 Fetal gonadotropins 246
 Fetal heart 1052
 α-Fetoprotein 1290
 Fetus 100, 104, 194, 230, 599, 606, 623, 752, 851, 910, 997, 1018, 1097, 1125, 1172, 1211, 1255, 1319, 1330, 1375
 Fibroblasts 38, 197, 764, 1101, 1384
 Fibroblasts, human 127
 Figura, K. 1316
 Finch, C. A. 1010
 Firgaira, F. 1150
 Fischer, J. A. 963
 Fiser, W. P. 1
 Fisher, D. A. 1, 257, 603, 606, 841
 Fluharty, A. L. 1179
 Forbes, G. B. 1382
 Forristal, J. 1043
 Forstner, G. G. 1077
 Fox, W. W. 60, 900
 Franchi, F. 797
 Francke, U. 1365
 Frankfater, A. 1217
 Frantz, I. D. III 250, 261
 Frau, F. 812
 Freeman, G. 1015
 Frerichs, R. R. 170

- Friedman, W. F. 910
 Friedman, Z. 932
 Frolich, J. C. 932
 Fructose 1018
 Functional residual capacity 60
- Gabridge, M. G. 31
 Gaddis, L. 937
 Gadot, N. 803
 Gahr, M. 1231
 Gaines, J. A. 641
 Galactosyltransferase, 729
 Ganguli, S. 783
 Garabedian, M. 973
 Garnica, A. D. 197
 Gartside, P. S. 208
 Garrett, R. 1156
 Geering, J.-M. 742
 Genetic disease 649
 Gentamicin 161
 Gerard, P. 1065
 Gestation 1163
 Giant cell induction 1290
 Gibbs, G. E. 1371
 Gibson, R. S. 959
 Gilden, C. 1336
 Gillette P. C. 1006
 Girard, F. 221
 Györy, E. 817
 Glass, A. R. 7
 α_1 -Gliadin 1255
 Glomerular filtration rate 1012
 Glossel, J. 1316
 Glucagon 870
 Gluck, L. 635
 Gluckman, P. D. 194
 Glucocorticoids 96, 997
 Gluconeogenesis 109, 175, 594
 Glucose 100, 117, 241, 585, 752, 1018, 1065, 1375
 Glucose endogenous 594
 Glucose oxidase 769
 Glucose-6-phosphatase deficiency 225
 Glucose-6-phosphate dehydrogenase 1361
 Glucose-6-phosphatidehydrogenase 1231
 Glucose transport 1129, 1240
 Glueck, C. J. 208, 1082
 γ -Glutamyl transferase 1058
 Glutaric aciduria 977
 Glutaryl-CoA dehydrogenase deficiency 977
 Glycine 65
 Glycine cleavage system 889
 Glycine transport 127
 Glycogen 1065, 1319
 Glycoproteins 834, 1211
 Glycosaminoglycan 96
 Gobran, L. I. 623
 Godard, C. 742
 Goetzman, B. W. 942
 Goldman, M. D. 250
 Gootman, N. 1271
 Gootman, P. M. 1271
 Gothefors, L. 737
 Gourmelen, M. 221
 G6 PDd activity 812
 Gram-negative septicemia 48
 Gramenzi, F. 1255
 Granulocytes, 148
 Grasset, E. 1240
 Gray, A. 697
 Gray, M. E. 104
- Green, J. R. 1089
 Gregersen, N. 977, 1227
 Groshong, T. D. 928
 Gross, I. 623, 1319
 Growth 215, 221, 225
 Growth hormone 194
 Growth retardation, intrauterine 100
 Grumbach, M. G. 194
 Guillozo, H. 973
 Guinea pigs 167
 Gutcher, G. G. 997
- Häberle, D. 884
 Haddad, G. G. 136, 139
Haemophilus influenzae 52
 Hagemeyer, A. 1247
 Hahlen, K. 1247
 Hahn, P. 10
 Hahn, T. 803
 Hair, 959
 Hamosh, M. 615
 Handzel, Z. T. 803
 Hanefeld, F. 1307
 Hanley, E. J. 1326
 Hannemann, R. E. 1326
 Hansen, T. N. 1167
 Hara, K. 1222
 Hardy, K. J. 265
 Harrison, H. R. 188
 Harsha, D. W. 170
 Hartley, C. J. 1006
 Haskins, M. E. 1203, 1294
 Hathaway, P. J. 851
 Hathaway, W. E. 1330
 Hayes, H. 671
 Heart, 161, 184, 1006
 Heart rate 1052, 1271
 Heggie, A. D. 937
 Helium rebreathing 60
 Hemagglutinating antibodies 156
 Hemodialysis 1105
 Hemoglobin, analysis 143
 Hemoglobin C 1109
 Hemoglobin S 1109
 Hemolytic crises 812
 Hemorrhage 606
 Henderson, N. S. 31
 Henderson T. 632
 Hennings, G. 1150
 Heparin 834
 Hepatic excretory function 1002
 Hepatic fructose-1,6-diphosphatase deficiency 1361
 Hepatic gamma glutamyl transpeptidase 644
 Hepatic glycoprotein receptors, 916
 Hepatic UDP-bilirubin glucuronyl transferase 644
 Herscovitz, H. B. 987
 Hereditary nephritis 774
 Hering-Breuer reflex 261
 $Gd^{Mediterranean}$ heterozygous females 812
 Heubi, J. E. 781
 β -Hexosaminidase, 916
 Heyman, M. 1240
 High density lipoprotein cholesterol 208
 Hill, I. D. 733
 Hillman, R. E. 127
 Hinds, T. R. 131
 Hinman, A. R. 689, 721
 Hirschhorn, K. 206
 Hirschhorn, R. 649
- Histamine 942
 L-Histidine 845
 Histochemistry 1266
 HMG-CoA reductase 1121
 Hodgman, J. E. 1163
 Hodson, W. A. 654
 Hollister, D. W. 904
 Holzman, B. H. 1112
 Holzman, I. R. 117
 Homocyst(e)ine 1141
 Homocystinuric 1141
 Hon, E. H. 1163
 Honig, G. R. 1109
 Hopfer, U. 1129
 Horacek, I. 265
 Horton, W. A. 904, 1266
 Host defense 1093
 Howard, G. 184
 Hsia, Y. E. 746, 1002, 1280
 Huang, P. S. 611
 Hudson, B. G. 1211
 Hug, G. 44
 Hughes, E. R. 96
 Human milk 969
 Human newborns 626
 Hung, C. H. 1211
 Hunt, J. A. 1323
 Hunter, G. T. 698
 Hurler syndrome 1294
 Huxtable, R. F. 821
 Hyaline membrane disease 654
 Hyaline membrane disease 1167
 25-Hydroxycholecalciferol 1105
 Hydroxylase activity 21
 Hydroxylysine glycosides, urinary 774
 Hyperammonemia 807, 827
 Hyperargininemia 827
 Hyperbilirubinemia 1307
 Hypercalcemia, infantile 121
 Hyperglycemia, nonketonic 127
 Hyperoxia 875
 Hyperphenylalaninemia 21
 Hyperplasia 1379
 Hypertension 992
 Hypocalcemia 1, 647, 963
 Hydrocephalus 26
 Hypogammaglobulinemia 181
 Hypoglycemia 175
 Hyponatremia 257, 817
 Hypothalamus 246
 Hypoxanthine guanine phosphoribosyl transferase 1365
 Hypoxia 875
- I-cell disease 1350
 α -L-Iduronidase 1294
 IgA plasma cells 733
 IgG 1043
 IgG subclasses 181
 Ikegami, M. 777
 Imanishi, Y. 1134
 Immune dysfunction 632
 Immunocompetence 649
 Immunodeficiencies 797
 Immunofluorescence studies 733
 Immunologic maturation 987
 Immunologic maturity 733
 Immuno-suppression 987
 Infant 1043
 Infant respiration 250
 Influenza 44

- Influenza surveillance 1015
 Insensible water loss 1072
 Inspiratory and expiratory duration 261
 Insulin 221, 594, 752, 870, 1375
 Interferon 937
 Intestine 1255
 Intracellular compartment 161
 Intralipid 188
 Intrapulmonary foam 1285
 Intrauterine growth retardation 175
 Aug-Ag/AgCl Intravascular electrode 821
 Intravascular saline infusions 1037
 Inulin 26, 1012
 Iodine 959
 Iron 143
 Iron deficiency 1010
 Islet cell antibody 1323
 Ismail, G. 769
 Isoproterenol 760, 1006
 Itabashi, H. 1179
 Iwashima, A. 1361
- Jackson, I. M. D. 142, 246
 Jansen, H. 220
 Jansen, T. C. 225
 Jaundice 1326
 Jax, D. K. 854, 861
 Jejunum 733, 1240
 Jessop, W. J. E. 1237
 Jezyk, P. F. 1203, 1294
 Joke, A. 635
 Johnston, J. M. 1182
 Jones, C. M. 851
 Jonxis, J. H. P. 1072
 Joppich, R. 884
 Josso, N. 142
- Kaback, M. M. 1179
 Kamoun, P. 207
 Kanfer, J. N. 845
 Kang, E. S. 870, 946
 Kang, S.-S. 1141
 Kaplan, S. A. 752, 1336
 Kaplan, S.L. 194
 Karzon, D. T. 714
 Katz, J. B. 139
 Kelly, J. C. 127
 Kelly, K. A. 1082
 Kennedy, R. L. 230
 Kenny, J. D. 1167
 Keresztes-Nagy, S. 1217
 α -Ketoglutarate decarboxylase, 928
 α -Ketoglutarate dehydrogenase 928
 Ketone bodies 10, 585
 Ketosis 977
 Ketotic hyperglycemia 889
 Khon, S. 729
 Khoury, P. 1082
 Kidney, 65, 257, 884, 1125, 1141, 1172, 1211
 Kidneys, 161
 Kiemann, U. 884
 Kiernat, J. F. 48
 Kihara, H. 1179
 Kilgore, B. S. 96
 Kinugasa, A. 1361
 Kinky hair disease 1222
 Klein, D. C. 788
 Klein, U. 1316
 Klimov, A. N. 208
 Kline, J. J. 928
 Kniest syndrome 1266
- Kochen, J. A. 644
 Kølvrå, S. 889
 Korman, P. 1156
 Kovar, I. 1144
 Kraus, H. 585
 Krause, P. J. 1015
 Kresse, H. 1316
 Krongrad, E. 136, 139
 Krutzik, S. R. 1
 Kuchenbrod, P. J. 1085
 Kung, M.-P. 916
 Kunke, K. 188
 Kurlandsky, L. E. 1093
 Kuroda, Y. 928
 Kusunoki, T. 91, 1361
 Kwashiorkor 156
- LaBadie, G. V. 206
 Labal, M. L. 1160
 LaBrecque, D. R. 1002
 Lactate 117
 Lactic acid 1065
 Lactic acidemia 928
 Lactic acidosis 38, 109, 977, 1101
 Lacticaciduria 225
 Lactose 1018
 Lancaster D. 161
 Laryngeal chemoreflex 1144
 Laser Light-scattering spectroscopy 131
 Laskarzewski, P. 1082
 Lawson, E. E. 611
 Lasley, L. 65
 Law, H. S. 139
 Lead 644
 Leake, R. D. 36, 257, 841
 Lecithin/sphingomyelin ratio 623
 Lee, J. A. 96
 Leigh's disease 109
 Leiter, A. B. 109
 Lenard, H. G. 152
 Lesch-Nyhan syndrome 1365
 Lestradet H. 1240
 Letarte, J. 807
 Leucocytes, cystinotic human 1058
 Leukemia, childhood 1247
 Leung, C. C. K. 1211
 Levamisole (Ketrax) 1237
 Levin, S. 803
 Levine, L. S. 755, 1356
 Levy, M. E. 708
 Lewis, R. M. 1006
 LGH 221
 Lietz, L. 1307
 Lim, G. 1323
 Lindberg T. 969
 Lingual lipase 615
 Linnemann, Jr., C. C. 44
 Lipid 932
 Lipid research clinics 208
 Lipomal disorders 1203, 1294
 Lipoprotein lipase activity 225
 Liposomes 769
 Liver 44, 161, 997, 1058, 1141
 Livtchak, M. J. 208
 Llanos, A. J. 1089
 Long QT syndrome 136
 Lorenzen, F. 1356
 Lott, I. T. 845
 Lou, M. F. 774
 Low birthweight infants 1012, 1072
 Low-density lipoprotein cholesterol 208
- Low- \dot{V}_A/\dot{Q}_c units 1167
 Lowe, C. U. 703
 Lubin, A. H. 834
 Luchtel, D. L. 654
 Luciani, J.-C. 1105
 Lucky, A. W. 1280
 Lundborg, P. 26
 Lung, 104, 161, 230, 611, 654, 729, 777, 997, 1037, 1167, 1285, 1307, 1330
 Lung lavage 599, 623
 Lung maturation, fetal 1097
 Lung phospholipids 635
 Lung surfactant 623
 Lung volume 261
 Lymphocytes, 38, 649, 1101, 1237
 Lysine 1134
 Lysosomal disorders 1203
 Lysosomal enzyme replacement 916
- MacCallum, M. 982
 MacDonald, P. C. 1182
 Mackler, B. 1010
 α_2 -Macroglobulin 1030, 1384
 Macrophages 188
 Maffei, H. V. L. 733
 Magracheva, E. J. 208
 Magnetometers 250
 Mahr, C. 699
 Malignant hyperalaninemia 1150
 Mallet, E. 647, 973
 Malnutrition 156, 1237
 Maltose 1018
 Manganese 959
 Maniscalco, W. M. 1319
 Marelyn, E. 265
 Maigolis, C. Z. 1047
 Marino, P. A. 623
 Marteaux-Lamy syndrome 1203
 Martinez, A. M. 1024, 1156
 Martinez, J. R. 760, 1024, 1156
 Mason, R. G. 1109
 Maternofetal transport 100
 Matson, J. R. 1172
 Matsuda, I. 1134
 Matsumoto, S. 148
 Maurer, Jr. M. 1052
 Mawhinney, T. P. 760
 Mayer, G. 884
 Mazique, E. C. 710
 Mazza, N.M. 136, 139
 McCubbin, J. A. 184
 McCullough, R. A. 916
 McDonough, S. K. 1294
 McGowan, A. R. 1304
 McGraw, C. A. 781
 Mc Mann, B. J. 1125
 Mc Namara, H., 644
 McNatt, M. L. 96
 McVie, R. 755
 Meador, S. 96
 Mehlhorn, D. 121
 Meis, P. J. 36
 Mellies, M. J. 1082
 Mellins, R. B. 136, 139
 Melnick, V. L. 672, 722
 Membrane flexibility 152
 Menkes Kinky hair disease 197, 1280
 Mental retardation 109
 2-Mercaptoethanol 1141
 Meric, N. 16
 Merrill, R. E. 1298

- Metabolic disorder 1222
 Metabolic rate 215, 1072
 Metabolism 241
 Metachromatic leukodystrophy 1307
 Metallothionein 197
 B-Methylcrotonyl CoA carboxylase 1275
 Methylxanthines 1121
 Meunier, P.-J. 1105
 Meves, H. 1231
 Military clinic 1047
 Milk formulas 10
 Milk, human 143
 Miller, L. R. 1010
 Mills, E. M. 1341
 Milner, G. R. 161
 Milner, R. D. G. 161
 Milstein, J. M. 942
 Milunsky, A. 845
 Mlekusch, W. 1316
 Möhlen, K.-H. 236
 Mononuclear cell metabolism 632
 Moore, E. S. 1125
 Mims, L. C. 241
 Mitchell, R. A. 945
 Mitochondria 764
 Mitochondrial metabolism 1227
 Miyazaki, S. 1222
 Morikawa, Y. 142, 246
 Morisi G. 1255
 Morrison, J. A. 1082
 Mortimer, E. A. 684
 Moxon, E. R. 52
 Mucopolipidosis 1350
 Mucopolysaccharides 1307
 Mucopolysaccharidosis 1203, 1294
 Mucosulfatidosis 1316
 Müllerian inhibiting substance 246
 Muntean, W. 1262
 Murray, R. A. 1015
 Murphy, J. H. 654
 Mutz, I. D. 1262

 Nagata, N. 1134
 Nagle, R. B. 188
 Nagy, E. C. 729
 Nakayama, M. 148
 Nathanielsz, P. W. 783
 Németh, M. 817
 Neonatal 632
 Neonatal hepatitis 1294
 Neonate 178, 585, 963, 1093, 1285, 1326
 Neufeld, N. D. 752
 Neuroblastoma tissue 91
 Neurohypophysis 841
 Neuropathies 591
 Neutrophil, chemotaxis 737
 Neutrophiles 1058
 New, M. I. 755, 1356
 Newborn 1, 36, 241, 257, 595, 615, 632, 641, 742, 841, 884, 900, 910, 932, 942, 959, 987, 992, 1037, 1065, 1163, 1262, 1307, 1341
 Newborn, J. L. 1047
 Newborn lambs 1144
 Newborn testes 246
 Newman, S. H. 705
 Nevin, G. B. 1078
 Nevin, N. C. 1078
 Nguyen, T. M. 973
 Nickerson, J. M. 31
 Nissinen, E. 1365
 Nitzan, M. 100

 Nocturnal gastric drip feeding 225
 Nogami, H. 1222
 Nonlymphocytic leukemia 1247
 Nonprescription cold remedies 1015
 Nonspecific cross reacting antigen 91
 Norman, M. E. 181
 Novak, M. 10, 626
 Nutrition, infant 143
 Nutrition, parenteral 894
 Nyhan, W. L. 928, 1365

 Obesity 170
 Occorsio, P. 1255
 O₂-CO₂ diagram 1167
 Ocampo, M. 1125
 Odell, W. D. 1
 Oh, W. 175, 594, 1012
 Okken, A. 1072
 Olusi, S. O. 156, 1237
 Ontogeny 854, 861
 Oohira, A. 1222
 Organ culture 1319
 Organic acidemias/urias 1227
 Orloff, S. 100
 Ornithin 221
 Orotic acid 807
 Ornithine transcarbamylase 007
 Otto, E. F. 127
 Osteomalacia 1105
 Ouellet, R. 807
 Outpatient statistics 1015
 Ovum 937
 Oxidant stress 1097
 100% Oxygen 1167
 Oxygen affinity 851
 Oxygen tension 1097

 P50 167
 Palmas, C. 812
 Palmer, S. 654
 Palmetic acid 635
 Palmitic acid 752
 Pang, S. 1356
 PAPase 230
 Para-amino hippurate 1125
 Parathormone 1
 Parathyroid hormone 963
 Parotid gland 1024
 Parsons, M. 1030
 Partin, J. C. 781
 Partin, J. S. 868
 Patrick, A. D. 1058
 Patterson, D.F. 1203, 1294
 Payne, C. M. 188
 Pearson, R. D. 834
 Pentagastrin 36
 Peptic-tryptic-cotazyme (PTC) digest 1255
 Perfusion 236
 Person, R. 1010
 Petek, W. 1262
 Phagocytosis 737
 Pham-Huu-Trung, M. T. 221
 Phenylalanine 1010
 Phenylalanine 21, 1150
 Phenylalanine hydroxylase 1010
 Phenylidguanide 1271
 Phenylketonuria 21
 Phenylketonuria 1150
 Philipps, A. F. 117, 1375
 Phosphate-³²P 635

 Phosphatidylcholine 599, 623, 635, 997
 Phosphoenol pyruvate carboxykinase 38
 Phosphoenolpyruvate carboxykinase 175, 1101
 Phosphofructokinase 585, 1231
 Phospholipids 777, 1330
 Phosphoribosylpyrophosphate 649
 Phototherapy 1307
 Pietrzyk, J. J. 879
 Pilocarpine 760
 Pitcher-Wilmott, R. 900
 Pivetta, O. H. 1160
 Placenta 236, 851
 Placental metabolism 117
 Plasma 1141
 Plasma adenosine 3'5' 647
 Plasma clearance 916
 Plastic embedding 1266
 Platelet function 1345
 Pollack, M. 1356
 Pollak, A. 175
 Polymyxin B 48
 Positive end-expiratory pressure 1112
 Potassium 1024
 Pregnancy 1323
 Premature infants 817
 Premature rabbits 635
 Pressure-volume characteristics 777
 Preterm infant 215, 875
 Price, P. 206
 Progressive intrahepatic cholestasis 1002
 Problem-oriented record system 1047
 Prolactin 194
 Proline 65
 Properdin 641, 1043, 1341
 Propionic acidemia 746, 1276
 Propionyl CoA carboxylase 746, 1276
 Prostaglandins 932, 1345
 Protease 1384
 protease inhibitors 969
 Protein osmotic pressure 1037
 Protein content 760
 Protein kinase 626
 Protein, wheat 1255
 Proteinases 1030
 Proteoglycan 904, 1222, 1266
 Prothrombin 1262
 Proximal renal tubular acidosis 109
 Prueitt, J. L. 654
 Pseudohypothyroidism 647
 Puberty 7
 Pulmonary compliance 1112
 Pulmonary edema 1037
 Pulmonary function 924, 1112
 Pulmonary lavage 760
 Pulmonary surfactant 611, 1330
 Pulmonary vasodilator action, 942
 Purine metabolism 649, 1365
 Putrescine 1137
 Pyruvate carboxylase 38, 109, 928, 1101
 Pyruvate carboxylase deficiency 38, 109, 1101
 Pyruvate dehydrogenase 585, 928
 Pyruvate kinase 632

 QT interval 136, 139
 Quie, P. G. 1341
 Quiet sleep 136
 Qureshi, I. A. 807

 Rabbit 241
 Rabbits 167

- Rabier, D. 207
Raghavan, S. S. 845
Rattazzi, M. C. 916
Raye, J. R. 1375
Reem, G. H. 649
Reflex bradycardia 184
REM 136
REM and quiet sleep 139
Rembold, H. 1150
Renal function 742
Renal hypertrophy, compensatory 1125
Renal osteodystrophy 1105
Renal transport 854, 861
Renin 603, 606, 742, 755
Renin-angiotensin-aldosterone system 817
Rennert, O. M. 197, 204
Reppert, S. M. 788
Respiration 900
Respiratory distress syndrome 623, 777, 900, 1097
Rey, F. 21
Rey, J., 21
Reyes, F. I. 211
Reye's Syndrome 44
Reye's syndrome survivors 870
Rheumatic carditis 16
Rhodes, M. L. 230
Riboflavin 1307
Richardson, C. J. 924
Rickets 973
Riely, C. A. 1002
Rigatto, H. 875, 982
Right atria 1217
Rimoin, D. L. 904, 1266
Rispens, P. 1072
Robertson, Jr. W. C. 845
Robillard, J. E. 606, 1172
Robinson, B. 869
Romeo, G. 1030
Romero, T. E. 910
Rooney, S. A. 623
Rosanelli, K. 1262
Rose, J. C. 1089
Rosen, F. 181
Rosenberg, L. E. 746, 1275
Rosenblum, M. G. 1137
Rudolph, A. J. 1167
Rudolph, A. M. 194, 1018
Russell, D. H. 1137
- Saarinen, U. M. 143
Sabin, A. B. 674, 723
Salicylate intoxication 44
Saliva 755
Saliva, submaxillary 1156
Sandhoff disease 916
Sankaran, K. 875, 982
Sanna, G. 812
Saralasin acetate 603
Saturated phosphatidyl choline 1097
Sawada, T. 91
Scarpelli, E. M. 1112, 1285
Schaeffer, A. 44
Schedewie, H. K. 1
Schegel, R. J. 688
Schieken, R. M. 992
Schiff, G. M. 44
Schleman, M. 1271
Schlesinger, P. 1150
Schneider, H. 236
Schreiner, R. J. 1326
- Schröter, W. 152, 1231
Schubert, W. K. 781
Schulman, J. D. 100, 1058
Schur, P. H. 181
Schwartz, A. 1006
Schwartz, J. G. 60, 900
Schwartz, R. 175, 594
Schwenzer, K. S. 870
Scoggins, B. A. 265
Scriver, C. R. 65
Scully, K. J. 746
Selstram, V. 1144
Séron-Ferré, M. 1089
Serum 181
Serum ciliotoxic activity 1160
Serum effects 1129
Serum factor 729
Serum lipids 225
Seshia, M. M. K. 875
Sessions, C. 1172
Sevanian, A. 752, 1336
Sexson, W. R. 104
Shaffer, T. H. 60, 900
Shapiro, B. L. 764
Shapiro, L. J. 1179
Shapiro, M. 167
Shaw, K. N. F. 827
Sheehan, T. J. 1047
Sheep 1172, 1375
Sheldon, G. 599
Shestor, D. B. 208
Shigezawa, G. Y. 821
Shiner, M. 733
Shinozuka S. 1134
Shoroye, A. 1237
Short-chain monocarboxylic acids 977, 1227
Short circuit rat jejunum bioassay 1371
Siassi, B. 1163
Sickle cell syndrome 1109
Sidenvall, R. 737
Siegel, S. R. 603, 841
Siimes, M. A. 143
Silano, V. 1255
Silberberg, R. 904
Silverman, J. 777
Simmons, M. A. 1330
Sinha, S. N. 1217
Skala, J. P. 626
Skin reflectance, black and white 1326
Sleep state 982, 1163
Sloate, R. 711
Smit, E. M. E. 1247
Smith, A. L. 52
Smith, B. T. 1097
Smith, Jr. F. G. 606, 1172
Smith, J. B. 184
Snodgrass, P. J. 827
Sodium 127, 742
Solomon, S. S. 870
Somatomedin 96, 194
Sordelli, D. O. 1160
Source-oriented record system 1047
Soybean oil emulsion 188
Sparse-fur (spf) gene 807
Specific dynamic action 215
Spector, E. B. 827
Speight, Jr. J. T. 112
Sperling, M. A. 783
Sperm translation-cessation time 1160
Spermidine 1137
Stahlman, M. T. 104, 1144
- Standaert, T. A. 654
Standard, R. L. 724
Staphylococcus aureus 156
Stark, A. R. 250, 261
Stegink, L. D. 894
Steichen, J. J. 121
Stein, E. A. 208
Steiner, P. M. 208
Stern, C. M. M. 792
Stevens, R. L. 1179
Stonestreet, B. S. 175, 1012
Stool 1280
Strunk, R. C. 188, 641
Stuart, M. J. 1345
Stumpf, B. 585
Sturgess, J. M. 729
Stuttgen, G. 1307
Styne, D. M. 194
Sucrose 1018
Sudden infant death syndrome 136, 139
Sugarman, G. I. 827
Sugimoto, T. 91
Sulyok, E. 817
Sundell, H. W. 104, 1144
Surface tension 777
Surfactant 230, 654, 777, 1319
Surfactant production 752
Susa, J. B. 175, 594
Swallowing 1144
Sweetman, L. 928, 1365
Swerdloff, R. S. 7
Swift, A. J. 1093
- Tachypnea 1271
Tausch, Jr. H. W. 611
Tanswell, A. K. 1097
Taurine 854, 861
Taussig, L. 1076
Taussig, L. M. 1137
Tay-Sachs disease 916
Tényi, I. 817
Teratology 1211
Tetrahydrobiopterin (BH₄) 1150
 α -Thalassemia 1109
 β -Thalassemia 1345
Thermostability 746
Thomassen, M. J. 1085
Thoracopagus twins 924
Thymic extract 797
Thymic hormone 803
Thymus 803, 1237
Thyroid 230
Thyrotropin-releasing hormone 623
Tietze, F. 1350
Tillman, W. 152
Tina, L. U. 774
Tingle, A. J. 1323
Tolazoline 942
Tolbutamide 1375
Tono-Oka, T. 148
Total parenteral nutrition 932
Trachea 131
Tracheal explant bioassay 31
Trainin, N. 803
Na transport 1240
Na⁺ transport 1156
Transport 236
Traver, D. 1285
Tremaine, L. M. 1109
Trigeminal airstream stimulation 184
Trypsin 969

- Trypsin-binding Ig 1030
Tsang, R. C. 121, 208
Tsao, F. H. C. 997
Tucker, R. D. 1371
Tuggle, B. 599
Tully, G. W. 1078
Turowski, G. 879
Type II pneumocyte 1097
Type J receptors 1271
Tyrosine 894, 1010
- Ueda, K. 44
Uehara, H. 148
Urea cycle 1134
Urea cycle disorder 807
Urinary aldosterone 755
Urinary excretion of polyamines 1137
Urine 1280
Uthne, K. 194
Utter, M. F. 38, 109
- Vagal activity 261
Vagotomy 1271
Vagus nerve 611
Valk, C. 1177
Vallota, E. H. 1043
Vallotton, M. B. 742
Vanadium 959
Van Den Berghe, H. 1384
van Leuven, F. 1384
van Stekelenburg, G. J. 1177
- van Wijngaarden-Penlerman, M. J. G. 1177
van Zanen, G. E. 1247
Varga, F. 817
Vasopressin 742
Ventilatory response 875
Venous admixture 1167
Ventricular compliance 910
Verdugo, P. 131
Verellen, G. 1065
Verity, M. A. 827
Vida, L. N. 1109
Vincenzi, F. F. 131
Virus 937
Vitamin D toxicity 121
Vitamin K deficiency 1262
Volpe, J. J. 1121
- Wagner, D. 152
Walker, W. A. 1290
Wallis, P. 1182
Walters, L. B. 700
Warne, G. L. 211
Warshaw, J. B. 623
Watanabe, K. 1222
Water metabolism 257
Water reabsorption 1172
Watson, B. M. 1150
Weaver, R. L. 184
Weinberg, J. A. 257
Weinberg, M. B., 38
Weinstein, M. M. 230
- Weiss, L. S. 1125
Weitzman, R. E. 257, 606, 841
Welliver, R. C. 1015
Whiteside, D. A. 821
Wieke, H. 875
Wieland, P. 963
Wieser, P. B. 10, 626
Will, P. C. 1129
Wilson, C. M. 1319
Wilson, G. B. 1079
Wingert, W. 1015
Winkelstein, J. A. 1093
Winter, J. S. D. 211
Wintour, E. M. 265
Wirjadi, D. 1307
Wolf, B. 1275
Wolf, R. O. 1076
Wong, P. W. K. 1141
Wood, R. E. 1085
Wright, V. J. 1323
- Yamamoto, J. 1134
Yelich, M. R. 1217
Yeung, H. N. 821
Young, I. R. 1078
- Zachman, R. D. 997
Zijlstra, W. G. 1072
Zimmerly, J. G. 701
Zinc 959