– INDEX –

A

Acetaminophen, 20, 174, 253 Active Immunizing Agents, 71 Adverse Events, 7 (see also individual vaccines) Anaphylactic Hypersensitivity, 12 Anaphylaxis, Initial Management, 14 Anti-vaccine Reports, 51 Autism and MMR, 7

B

BCG Vaccine, 71 adverse reactions, 74 booster doses and re-immunization, 74 contraindications, 75 efficacy and immunogenicity, 72 other considerations, 75 preparations licensed for immunization, 72 preparations used for immunotherapy, 73 recommended usage, 73 simultaneous administration with other vaccines, 74 storage requirements, 74 usual response to immunization,74

C

Cautions and Contraindications (see also individual vaccines), 4

Cholera Vaccine, 77 adverse reactions, 79 booster doses and re-immunization, 79 contraindications and precautions, 80 efficacy and immunogenicity, 78 epidemiology, 77 other considerations, 80 preparations licensed for immunization, 78 recommended usage, 78 route of administration, 79 serologic testing, 79 simultaneous administration with other vaccines, 79 storage requirements, 79 summary of recommendations, 80 Communication about immunization, 43 Cost benefit, 2

D

Definitions for Reportable Adverse Events, 262 Diphtheria Toxoid, 82 adverse reactions, 85 booster doses, 84 combined vaccines, 85 contraindications and precautions, 85 epidemiology, 82 preparations licensed for immunization, 83 recommended usage, 83

G

General Considerations, 1 administration of human immune globulin products, 33 adverse events, 7 anaphylactic hypersensitivity, 12 anaphylaxis management, 14 cautions and contraindications, 4 cost benefit. 2 immunization and breast-feeding, 19 immunization of children and adults with inadequate immunization records, 41 immunization of children with neurologic disorders, 20 immunization of people with hemophilia, 31 immunization in immunocompromised hosts, 20 chronic illness or advanced age, 22 congenital immunodeficiency. 23 HIV, myelodysplasias, 25 immunoablative therapy, 24 long-term drug treatment, 24 splenic disorders, 22 travellers, 26 immunization of infants born prematurely, 31 immunization during pregnancy, 18 immunization records, 40 immunization technique, 38 storage and handling of immunizing agents, 33 talking with patients about immunization, 42 communication issues, 43 questions and answers, 45 resources, 54 timing of vaccine administration, 32

Guidelines for Childhood Immunization Practices, 58

Η

Haemophilus Vaccine, 87 adverse reactions, 91 booster doses and re-immunization, 91 contraindications, 91 efficacy and immunogenicity, 88 epidemiology, 87 preparation and route of administration, 90 preparations licensed for immunization, 88 recommended usage, 89 schedule and dosage, 89 simultaneous administration with other vaccines, 91 storage requirements, 91

Health Care Workers, 251

BCG, 253 diphtheria and tetanus toxoids, 251 hepatitis A, 253 hepatitis B, 252 influenza vaccine, 252 measles vaccine, 252 polio vaccine, 252 rubella vaccine, 252

Hepatitis A Vaccine, 93

adverse reactions, 100 booster doses and re-immunization, 99 contraindications and precautions, 100 efficacy and immunogenicity, 95 epidemiology, 93 preparations licensed for immunization, 94 recommended usage, 96 route of administration, 99 schedule and dosage, 99 serologic testing, 99 simultaneous administration with other vaccines, 100 storage requirements, 100

Hepatitis B Vaccine, 102

adverse reactions, 115 booster doses and re-immunization, 112 contraindications and precautions, 115 efficacy and immunogenicity, 105 epidemiology, 102 preparations licensed for immunization, 103 recommended usage, 105 route of vaccine administration, 112 schedule and dosage, 111 serologic testing, 113 simultaneous administration with other vaccines, 115 storage requirements, 115

Hepatitis Vaccines Combined, 117 adverse reactions, 118 booster doses, 118 contraindications, 118 efficacy and immunogenicity, 117 preparations licensed for immunization, 117 recommended usage, 117 route of vaccine administration, 118 schedule and dosage, 118 simultaneous administration with other vaccines, 118 storage requirements, 118

HIV Infection and Immunization (see also individual vaccines), 25 HIV Infection and Travel, 260

Immune Globulin, 33, 242, 245 Immunization in Acute Care Institutions, 69 Immunization for Adults, 65 recommended antigens, 65 strategies to improve vaccine delivery. 67 Immunization for Infants and Children, 55 Immunization in Long-Term Care Institutions, 70 Immunization, National Guidelines, 58 Immunization Records, 40, 41 Immunization Schedules, 55 adults, 65 infants and children, 55 Immunization Strategies to Improve Deliverv. 67 Immunization Technique, 38 Immunocompromised Hosts, 20 chronic illness or advanced age, 22 congenital immunodeficiency states, 23 HIV, myelodysplasias, 25 immunoablative therapy, 24 long-term drug treatment, 24

splenic disorders, 22 travellers, 26 vaccination, 27, 28

Internet Sites, back cover

Influenza Vaccine, 120

adverse reactions, 125 contraindications and precautions, 126 efficacy and immunogenicity, 121 preparations licensed for immunization, 121 recommended usage, 121 route of administration, 124 schedule and dosage, 124 simultaneous administration with other vaccines, 125 storage requirements, 125 strategies for reducing the impact of influenza, 126

J

Japanese Encephalitis Vaccine, 128 adverse reactions, 131 booster doses, 130 contraindications and precautions, 132 efficacy and immunogenicity, 129 preparations licensed for immunization, 129 recommended usage, 130 schedule and dosage, 130 simultaneous administration with other vaccines, 131 storage requirements, 131

L

Licensed Manufacturers, 272

Lyme Disease Vaccine, 135 adverse reactions, 139 booster doses, 138 efficacy and immunogenicity, 137 epidemiology, 135 laboratory diagnosis, 138 other considerations, 140 personal protection, 136 precautions, 139 preparations licensed for immunization, 136 recommended usage, 137 schedule and dosage, 138 simultaneous administration with other vaccines, 139

Μ

Malaria Prophylaxis, 261

Measles Vaccine, 143 adverse reactions, 147 contraindications and precautions, 148 dosage, 146 efficacy, 144 epidemiology, 143 outbreak control, 149 preparations licensed for immunization, 144 recommended usage, 145 route of administration, 146 simultaneous administration with other vaccines, 147 storage requirements, 147

Meningococcal Vaccine, 151 adverse reactions, 158 booster doses and re-immunization, 158 contraindications and precautions, 161 efficacy and immunogenicity, 153 epidemiology, 151 other considerations, 161 preparations licensed for immunization, 152 recommended usage, 154 route of administration and dosage, 158 simultaneous administration with other vaccines, 158 storage requirements, 158

Misconceptions About Vaccines, 45

Mumps Vaccine, 166 adverse reactions, 167 efficacy and immunogenicity, 166 precautions and contraindications, 167 preparations licensed for immunization, 166 recommended usage, 167

0

Oculorespiratory Syndrome, 111

Ρ

Passive Immunizing Agents, 242 adverse reactions, 244 contraindications and precautions, 244, 245 immune globulin for hepatitis A, measles, hepatitis C, rubella, 243, 244 recommended usage, 243 safety of IG preparations, 244 specific immune globulin for botulism, diphtheria, hepatitis B, RSV, rabies, tetanus, varicella-zoster, 245-250

Pertussis Vaccine, 169

adverse reactions, 174 booster doses and re-immunization, 173 conditions not considered contraindications, 174 contraindications and precautions, 174 efficacy and immunogenicity, 170 epidemiology, 169 other considerations, 175 preparations licensed for immunization, 170 recommended usage, 171 route of vaccine administration, 173 schedule and dosage, 172 simultaneous administration with other vaccines, 173 storage requirements, 173

Pneumococcal Vaccine, 177

adverse reactions, 182 booster doses and re-immunization, 181 contraindications and precautions, 182 efficacy and immunogenicity, 178 epidemiology, 177 other considerations, 175 preparations licensed for immunization, 177 recommended usage, 179 route of vaccine administration, 181 schedule and dosage, 180 serologic testing, 181 simultaneous administration with other vaccines, 181 storage requirements, 181

Poliomyelitis Vaccine, 185

adverse reactions, 189 booster doses and re-immunization, 188 contraindications and precautions, 189 efficacy and immunogenicity, 186 epidemiology, 186 outbreak control, 188 preparations licensed for immunization, 186 recommended usage, 187 route of vaccine administration, 188 schedule and dosage, 187

Pregnancy (see individual vaccines), 18, 261

R

Rabies Vaccine, 191 adverse reactions, 198 contraindications, 199 epidemiology, 191 management of animals, 195 management of people, 195 post-exposure management, 193 pre-exposure management, 193 preparations licensed for immunization, 192 schedule and dosage, 196 serologic testing and booster doses, 198

Resources for Parents and Patients, 54

Rubella Vaccine, 200

adverse reactions, 203 booster doses and re-immunization, 202 contraindications, 203 efficacy and immunogenicity, 201 epidemiology, 200 other considerations, 204 precautions, 204 preparations licensed for immunization, 200 schedule and dosage, 201 serologic testing, 202 simultaneous administration with other vaccines, 203 storage requirements, 203

S

Smallpox Vaccine, 207 Storage and Handling of Immunizing Agents, 33 Surveillance – Vaccine Safety Monitoring, 10

T

Tetanus Toxoid, 208 adverse reactions, 212 booster doses and re-immunization, 210 contraindications and precautions, 212 efficacy and immunogenicity, 209 post-exposure prevention of tetanus, 211 preparations licensed for immunization, 209 recommended usage, 210 route of vaccine administration, 210 schedule and dosage, 210 simultaneous administration with other vaccines, 212 storage requirements, 211

Travellers, 255 recommended immunizations, 258 required immunizations, 257 routine immunizations, 256

Typhoid Vaccine, 214 adverse reactions, 219 booster doses, 218 contraindications and precautions, 219 efficacy and immunogenicity, 216 epidemiology, 214 preparations licensed for immunization, 215 recommended usage, 217 route of vaccine administration and storage, 217 simultaneous administration with other vaccines, 218 summary of recommendations, 220

V

Vaccine Products Available in Canada, 267

Vaccine Safety, 8, 10, 46

Varicella Vaccine, 223 adverse reactions, 229 booster doses and re-immunization, 227 contraindications, 229 efficacy and immunogenicity, 225 epidemiology, 223 other considerations, 230 preparations licensed for immunization, 224 recommended usage, 225 route of vaccine administration, 227 schedule and dosage, 227 serologic testing, 227 simultaneous administration with other vaccines, 229 storage requirements, 228

Y

Yellow Fever Vaccine, 233 adverse reactions, 238 booster doses, 237 contraindications and precautions, 239 efficacy and immunogenicity, 236 epidemiology, 233 preparations licensed for immunization, 236 recommended usage, 236 route of administration, 237 serologic testing, 237 simultaneous administration with other vaccines, 237 storage requirements, 237 summary of recommendations, 240 Canadian Immunization Awareness Program http://www.immunize.cpha.ca

Health Canada, Population and Public Health Branch (formerly LCDC)

http://www.hc-sc.gc.ca/hpb/lcdc/bid/di/index.html

U.S. Centers for Disease Control and Prevention, National Immunization Program http://www.cdc.gov/nip/

World Health Organization

http://www.who.int/vaccinesdiseases/safety/infobank/infobank.shtml

U.K. Public Health Laboratory Service http://www.immunofacts.com/