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Epidemiology of Whooping Cough -- Clinical Description -- Diagnosis -- Complications -- Descriptive Epidemiology -- Nature of the Causative Organism, *B. pertussis* -- Major Milestones in the Development of Pertussis Vaccines -- Whole-Cell Vaccines -- Acellular Vaccines -- Brief History of the Controversy Pertaining to Adverse Events Following Pertussis Vaccination -- RUBELLA VACCINES -- Epidemiology of the Disease Rubella -- Clinical Description -- Diagnosis -- Complications -- Descriptive Epidemiology -- Nature of the Rubella Virus -- Major Milestones in the Development of Rubella Vaccines -- Brief History of the Controversy Pertaining to Adverse Events Following Rubella Vaccination -- REFERENCES -- 3 Methodologic Considerations in Evaluating the Evidence -- THE NATURE OF THE EVIDENCE -- QUESTIONS TO BE ADDRESSED -- (1) Can vaccine cause the adverse event? -- (2) How frequently does vaccine cause the event? -- (3) Did vaccination cause a particular case of the adverse event? -- THE BURDEN OF PROOF -- CATEGORIES OF EVIDENCE -- Experiments in Humans -- Randomized Controlled Trials -- Other Experimental Studies -- Experiments in Animals: Animal Models -- Controlled Epidemiologic Studies (Observational) -- Cohort Studies -- Case-Comparison Studies -- Other Controlled Studies -- Case Reports and Case Series -- Searching for Patterns -- Historical Comparisons -- Causation of the Individual Case -- Monitoring System for Adverse Events Following Immunization -- ASSESSMENT OF THE EVIDENCE. Evaluation of Single Studies -- Integration of the Collective Results -- Meta-Analysis -- Considerations in Inferring Causality -- THE NATURE OF THE CONCLUSIONS -- Quantitation -- Resolution -- Uncertainty and Confidence -- Quality -- Comprehensiveness -- Neutrality -- Judgment -- SUMMARY OF THE EVIDENCE -- REFERENCES -- 4 Evidence Concerning Pertussis Vaccines and Central Nervous System Disorders, Including Infantile... -- INFANTILE SPASMS -- Clinical Description -- Descriptive Epidemiology -- History of Suspected Association with Pertussis Vaccines -- Evidence from Studies in Humans -- Case Reports and Case Series -- Controlled Epidemiologic Studies -- Summary -- Conclusion -- HYPSARRHYTHMIA -- Clinical Description -- Descriptive Epidemiology -- History of Suspected Association with Pertussis Vaccines -- Evidence from Studies in Humans -- Case Reports and Case Series -- Controlled Epidemiologic Studies -- Summary -- Conclusion -- ASEPTIC MENINGITIS -- Clinical Description -- Descriptive Epidemiology -- History of Suspected Association with Pertussis Vaccines -- Evidence from Studies in Humans -- Case Reports and Case Series -- Controlled Epidemiologic Studies -- Summary -- Conclusion -- ENCEPHALOPATHY -- Clinical Description -- Encephalopathy Following Whooping Cough -- Pathology -- Descriptive Epidemiology -- History of Suspected Association with Pertussis Vaccines -- Evidence from Studies in Humans -- Case Reports and Case Series -- Studies in Defined Populations -- The National Childhood Encephalopathy Study -- Other Controlled Studies in Humans -- Evidence from Studies in Animals -- Aluminum Salts -- Summary -- Conclusion -- REFERENCES -- 5 Evidence Concerning Pertussis Vaccines and Deaths Classified as Sudden Infant Death Syndrome -- CLINICAL DESCRIPTION, DIAGNOSIS, AND PATHOLOGY -- DESCRIPTIVE EPIDEMIOLOGY. HISTORY OF SUSPECTED ASSOCIATION WITH PERTUSSIS VACCINES -- EVIDENCE FROM STUDIES IN HUMANS -- Case Reports and Case Series -- Controlled Epidemiologic Studies -- SUMMARY -- CONCLUSION -- REFERENCES -- 6 Evidence Concerning Pertussis Vaccines and Other Illnesses and Conditions -- ANAPHYLAXIS -- Clinical Description and Pathologic Aspects -- History of Suspected Association with Pertussis

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Sommario/riassunto

Some evidence suggests that vaccination against pertussis and rubella is, in a small number of cases, associated with increased risk of serious illness. This book offers an assessment of the risk of illness following immunization with vaccines against pertussis and rubella. It is useful for public health officials, pediatricians, and parents.