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Nota di contenuto	Acetylsalicylic Acid; Contents; Preface; 1: General Aspects; 2: Pharmacology; 3: Toxicity and Drug Safety; 4: Clinical Applications of Aspirin; Appendix 1: Abbreviations; Appendix 2: Selected Clinical Trials and Their Acronyms - Only Published Trials; Index; End User License Agreement; 1.1 History; 1.2 Chemistry; 2.1 Pharmacokinetics; 2.2 Cellular Modes of Action; 2.3 Actions on Organs and Tissues; 3.1 Systemic Side Effects; 3.2 Organ Toxicity; 3.3 Hypersensitivity to Aspirin and Reye's Syndrome; 4.1 Thromboembolic Diseases; 4.2 Pain, Fever, and Inflammatory Diseases 4.3 Further Potential Clinical Indications 1.1.1 From Willow Bark to Salicylic Acid; 1.1.2 Synthesis of Acetylated Salicylic Acid and First Medical Use; 1.1.3 Search for Pharmacological Modes of Action; 1.1.4 Clinical Applications: A Piece of History; 1.1.5 Current Research Topics; 1.2.1 Structures and Chemical Properties of Salicylates; 1.2.2 Determination of Salicylates; 2.1.1 Absorption and Distribution; 2.1.2 Biotransformation and Excretion; 2.2.1 Inhibition of Cyclooxygenases; 2.2.2 COX-Independent Actions of Aspirin on Cell Function; 2.2.3 Energy Metabolism 2.3.1 Hemostasis and Thrombosis 2.3.2 Inflammation, Pain, and Fever; 2.3.3 Aspirin and Malignancies; 3.1.1 Acute and Chronic Toxicity; 3.1.2 Bleeding Time and Bleeding Risk; 3.1.3 Safety Pharmacology in

Particular Life Situations; 3.2.1 Gastrointestinal (GI) Tract; 3.2.2 Liver; 3.2.3 Kidney; 3.2.4 Audiovestibular System; 3.3.1 Aspirin-Exacerbated Respiratory Disease (AERD, "Aspirin-Induced Asthma"); 3.3.2 Urticaria/Angioedema and Stevens-Johnson and Lyell's Syndrome; 3.3.3 Reye's Syndrome; 4.1.1 Coronary Vascular Disease; 4.1.2 Cerebrovascular Diseases; 4.1.3 Peripheral Arterial Disease 4.1.4 Venous Thrombosis 4.1.5 Preeclampsia; 4.1.6 Aspirin Resistance (High On-Aspirin Treatment Platelet Reactivity); 4.2.1 Analgesia and Antipyresis; 4.2.2 Inflammatory Diseases; 4.2.3 Kawasaki's Disease; 4.3.1 Colorectal Cancer; 4.3.2 Alzheimer's Disease; 1.1.1.1 Anti-Inflammatory and Analgesic Effects of Willow Bark and Leaves; 1.1.1.2 Salicylates as the Active Ingredients of Willow Bark and Other Natural Sources; 1.1.1.3 Chemical Synthesis of Salicylic Acid; Summary; References; 1.1.2.1 The Invention of Acetylated Salicylic Acid 1.1.2.2 Introduction of Acetylsalicylic Acid into the Clinics Summary; References; 1.1.3.1 Salicylates and Energy Metabolism of the Cell; 1.1.3.2 Aspirin and Prostaglandin Formation; 1.1.3.3 Aspirin and COX-2; Summary; References; 1.1.4.1 Anti-Inflammatory/Analgesic Actions; 1.1.4.2 Antiplatelet/Antithrombotic Actions and the Bleeding Tendency; 1.1.4.3 Aspirin and the History of Prevention of Myocardial Infarction and Stroke; Summary; References; 1.1.5.1 Clinical Research; 1.1.5.2 Basic Research; Summary; References; 1.2.1.1 Salicin: The Natural Salicylate; 1.2.1.2 Salicylates in Clinical Use 1.2.1.3 Aspirin Formulations
