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Titolo	Comprehensive Biochemistry for Dentistry : Textbook for Dental Students / / by Anil Gupta
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Descrizione fisica	1 online resource (XXXV, 604 p. 266 illus., 195 illus. in color.)
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Nota di contenuto	Introduction to Biochemistry -- Part: I Cellular Biochemistry -- Cell and organelles -- Part: II Structural Biochemistry -- Proteins and Amino acids -- Plasma Proteins -- Haemoglobin -- Carbohydrates -- Lipids -- Nucleic Acids -- Enzymes -- Hormones -- Vitamins -- Part: III Metabolism -- Digestion and Absorption of Proteins -- Metabolism of Proteins and Amino acids -- Digestion and Absorption of Carbohydrates -- Metabolism of Carbohydrates -- Digestion and Absorption of Lipids -- Metabolism of Lipids -- Metabolism of Minerals -- Biological Oxidation -- Part: IV Medical Biochemistry -- Acid Base Balance -- Nutrition -- Serum Enzymes and Organ Function Tests -- Part: V Immunochemistry -- Immunoglobulins -- Part: VI Dental Biochemistry -- Dental Biochemistry. .
Sommario/riassunto	This book combines fundamental concepts of biochemistry and the

dental sciences to provide an authentic, coherent and comprehensive text for dental students. It describes in simple language the intricate pathophysiology of biomolecules in health and in diseases of dental and oral tissues. This book also describes the evolution of biochemistry in a chronological order, provides information about the fundamental chemical structure, classification and biological significance of biomolecules, vitamins and hormones, enriched with flow charts and diagrams for easy understanding and quick reference. It includes chapters on nucleic acids, nutrition and serum enzymes and organ function tests, and offers an innovative approach to familiarize dental students with the biochemical composition of enamel, dentine, cementum and saliva, explaining the biochemical basis of dental caries, periodontal diseases, role of fluorides in caries prophylaxis, fluoride toxicity, and the role of amino acids as anti-hypersensitive agents.