

1. Record Nr.	UNINA9910447259503321
Titolo	Studies of epithelial transporters and ion channels : ion channels and transporters of epithelia in health and disease . Vol. 3 // Kirk L. Hamilton, Daniel C. Devor, editors
Pubbl/distr/stampa	Cham, Switzerland : , : Springer : , : American Physiological Society, , 2020
ISBN	3-030-55454-6
Edizione	[Second edition.]
Descrizione fisica	1 online resource (XXI, 1244 p. 256 illus., 203 illus. in color.)
Collana	Physiology in health and disease
Disciplina	574.821
Soggetti	Epithelium Epiteli Canals iònics Farmacologia Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1. Na ⁺ /K ⁺ -ATPase Drives Most Asymmetric Transports and Modulates the Phenotype of Epithelial Cells -- 2. Na ⁺ -K ⁺ -2Cl ⁻ Cotransporter -- 3. Thiazide-sensitive NaCl Cotransporter -- 4. NBCe1, an Electrogenic Na ⁺ Bicarbonate Cotransporter, in Epithelia -- 5. Na ⁺ /H ⁺ Exchangers in Epithelia -- 6. Sugar Transport Across Epithelia -- 7. Amino Acid Transporters of Epithelia -- 8. Structure-Dynamic and Regulatory Specificities of Epithelial Na ⁺ /Ca ²⁺ Exchangers (NCX) -- 9. Urea Transporters in Health and Disease -- 10. H,K-ATPases in Epithelia -- 11. Zinc Transporters Involved in Vectorial Zinc Transport in Intestinal Epithelial Cells -- 12. Properties, Structure and Function of the Solute Carrier 26 Family of Anion Transporters -- 13. ClC-2 Chloride Channels -- 14. The Role of the Endosomal Chloride/Proton Antiporter ClC-5 in Proximal Tubule Endocytosis and Kidney Physiology -- 15. CFTR and Cystic Fibrosis: A Need for Personalized Medicine -- 16. Molecular Physiology and Pharmacology of the Cystic Fibrosis Transmembrane Conductance Regulator -- 17. TMEM16 Proteins (Anoctamins) in Epithelia -- 18. Epithelial Sodium Channels (ENaC) -- 19. ROMK and Bartter Syndrome Type 2 -- 20. Inwardly-rectifying K ⁺

channel 4.1 regulates renal K⁺ excretion in the aldosterone-sensitive distal nephron -- 21. Small-molecule Pharmacology of Epithelial Inward Rectifier Potassium Channels -- 22. KCa_{3.1} in Epithelia -- 23. BK Channels in Epithelia -- 24. Recent Developments in the Pharmacology of Epithelial Ca²⁺-Activated K⁺ channels -- 25. KCNE regulation of KCNQ channels -- 26. Orai Channels -- 27. Trp Channels in Renal Epithelia -- 28. P2X receptors in Epithelia -- 29. The Polycystins and Polycystic Kidney Disease -- 30. Renal Aquaporins in Health and Disease.

Sommario/riassunto

This book discusses unique ion channels and transporters that are located within epithelial tissues of various organs including the kidney, intestine, pancreas and respiratory tract. The authors will show, that each of these channels and transporters play crucial roles in transepithelial ion and fluid transport across epithelia and their responsibility in maintaining homeostasis. The reader gains an understanding of the fundamentals of epithelial ion transport, in terms of function, modelling, regulation, trafficking, structure and pharmacology. This is the third of three volumes highlighting the importance of epithelial ion channels and transporters in basic physiology and pathophysiology of human diseases. The focus of this volume lies with different ion channel and transporter families. Additionally, this volume benefits from pharmaceutical contributors and their insights into recent pre-clinical drug discovery efforts and results from clinical trials. Overall, these chapters offer a more thorough coverage of individual epithelial ion channels and transporters from the 1st Edition, along with eleven new chapters. That makes Volume 3 an insightful contribution for physiology students, scientists and clinicians.

2. Record Nr.	UNINA9910781007703321
Autore	Sakthivel-Wainford Karen
Titolo	Self assessment in axial skeleton musculoskeletal trauma X-rays [[electronic resource] /] / Karen Sakthivel-Wainford
Pubbl/distr/stampa	Cumbria [England], : M&K Update Ltd., 2009
ISBN	1-282-31636-2 9786612316364 1-907830-47-2
Descrizione fisica	1 online resource (285 p.)
Collana	X-ray interpretation, 3
Disciplina	616.7107572
Soggetti	Musculoskeletal system - Wounds and injuries X-rays
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Prelims; Table of contents; Introduction; Chapter 1 Mechanisms of injury; Chapter 2 Pelvic fractures; Chapter 3 Reviewing cervical spine radiographs; Chapter 4 Pelvic trauma; Chapter 5 Hip and femur trauma; Chapter 6 Cervical spine trauma; Chapter 7 Dorsal and lumbar spine trauma; Chapter 8 Skull, mandibular and facial trauma; Chapter 9 A selection of cases; Reading list and bibliography; Index
Sommario/riassunto	Many practitioners are now continuing to expand their reporting skills from appendicular skeleton to include the axial skeleton in trauma. Other allied profession may also be reviewing axial skeleton trauma radiographs, for instance nurse practitioners (such as in cases of hip trauma). Many practitioners initially fear reviewing axial skeleton radiographs, understandably as missing an injury may have dire consequences, but with training, audit and care this fear can be overcome; and one can look forward to the challenge of axial radiograph reporting.As axial trauma radiographs can be