

1. Record Nr.	UNISALENTO991003277069707536
Autore	Research Workshop on Inherently Parallel Algorithms in Feasibility and Optimization and Their Applications (2000 : Haifa, Israel)
Titolo	Inherently parallel algorithms in feasibility and optimization and their applications [e-book] / edited by Dan Butnariu ... [et al.]
Pubbl/distr/stampa	Amsterdam ; New York : Elsevier, 2001
ISBN	9780444505958 0444505954
Descrizione fisica	x, 504 p. ; 25 cm
Collana	Studies in computational mathematics ; 8
Altri autori (Persone)	Butnariu, Dan
Disciplina	519.6
Soggetti	Mathematical optimization - Congresses Parallel algorithms - Congresses
Lingua di pubblicazione	Inglese
Formato	Risorsa elettronica
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910410649803321
Autore	Meyer Flavia
Titolo	Fluid balance, hydration, and athletic performance // edited by Flavia Meyer, Zbigniew Szygula, Boguslaw Wilk
Pubbl/distr/stampa	2016 Boca Raton, FL : , : CRC Press, , 2019 ©2016
ISBN	9781000218961 1000218961 9780429183270 0429183275 9781482223316 1482223317
Edizione	[1st ed.]
Descrizione fisica	1 online resource (449 p.)
Classificazione	HEA017000MED060000MED068000
Disciplina	612 617.1027
Soggetti	Body fluids Hydration Dehydration (Physiology)
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	Front Cover; Contents; Preface; Acknowledgments; Editors; Contributors; Section I: the Fundamentals; Chapter 1: Body Water: Balance, Turnover, Regulation, and Evaluation; Chapter 2: Sodium Balance during Exercise and Hyponatremia; Chapter 3: Human Perspiration and Cutaneous Circulation; Section II: effects of Fluid imbalance on Body Functions and Performance; Chapter 4: Cardiovascular Responses to Body Fluid Imbalance; Chapter 5: Thermal Strain and Exertional Heat Illness Risk: Total Body Water and Exchangeable Sodium Deficits Chapter 6: Gastrointestinal and Metabolic Responses to Body Fluid Imbalance during ExerciseChapter 7: Role of Fluid Intake in Endurance Sports; Chapter 8: Effect of Dehydration on Muscle Strength, Power,

and Performance in Intermittent High- Intensity Sports; Chapter 9: Effect of Dehydration on Cognitive Function, Perceptual Responses, and Mood; Section III: Special Populations; Chapter 10: Dehydration and the Young Athlete: Effects on Health and Performance; Chapter 11: Water Balance and Master Athletes; Chapter 12: Athletes with Chronic Conditions: Diabetes Chapter 13: Athletes with Chronic Conditions: ObesityChapter 14: Athletes with Chronic Conditions: Hypertension; Chapter 15: Athletes with Chronic Renal Diseases; Chapter 16: Practical Considerations for Fluid Replacement for Athletes with a Spinal Cord Injury; Chapter 17: Athletes with Chronic Conditions: Sickle Cell Trait; Section IV: Recommendations; Chapter 18: Water Replacement before, during, and after Exercise: How Much Is Enough?; Chapter 19: Plain Water or Carbohydrate-Electrolyte Beverages; Chapter 20: Need of Other Elements; Back Cover

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## Sommario/riassunto

Athletes and nonathletes frequently consume too little water or fluids, affecting exercise performance as well as overall health. This book comprehensively reviews the aspects relating to body fluid balance, rehydration, and physical exercise. It provides background on body water balance and turnover, topics related to electrolyte balance, and sweating as the basis for thermoregulatory and fluid homeostasis during exercise. In addition, chapters cover body water balance evaluation and regulation; cardiovascular and metabolic responses to fluid imbalance; effects of dehydration on aerobic power, muscle strength, and cognitive function; fluid intake timing; and optimal beverage selection.

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