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| 1. Record Nr.           | UNISALENT0991003277069707536   |
| 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<br>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<br>Parallel algorithms - Congresses   |
| Lingua di pubblicazione | Inglese  |
| Formato                 | Risorsa elettronica  |
| Livello bibliografico   | Monografia   |

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| 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<br>Boca Raton, FL : , : CRC Press, , 2019<br>©2016   |
| ISBN                    | 9781000218961<br>1000218961<br>9780429183270<br>0429183275<br>9781482223316<br>1482223317   |
| Edizione                | [1st ed.]   |
| Descrizione fisica      | 1 online resource (449 p.)  |
| Classificazione         | HEA017000MED060000MED068000   |
| Disciplina              | 612<br>617.1027   |
| Soggetti                | Body fluids<br>Hydration<br>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<br>Chapter 6: Gastrointestinal and Metabolic Responses to Body Fluid Imbalance during Exercise<br>Chapter 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: Obesity Chapter 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

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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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