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Titolo	Exercise and Human Reproduction : Induced Fertility Disorders and Possible Therapies // edited by Diana Vaamonde, Stefan S du Plessis, Ashok Agarwal
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ISBN	1-4939-3402-3
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Descrizione fisica	1 online resource (356 p.)
Disciplina	610
Soggetti	Reproductive medicine Sports medicine Gynecology Andrology Reproductive Medicine Sports Medicine Gynecology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Overview of the male reproductive system.- Overview of the female reproductive system.- Overview of Fertilization, Gestation and Parturition.- Conceptual and terminological foundations for the sciences of physical exercise: new perspectives.- Sports Physiology and Endocrinology (Endurance vs. Resistance Exercise).- General adaptations to exercise. Acute vs. chronic and strength vs. endurance training.- Impact of physical activity and exercise on male reproductive potential. Semen alterations.- Hormonal changes associated with physical activity and exercise training.- Common male reproductive tract pathologies associated with physical activity, exercise and sport. - Consequences of the Use of Anabolic Androgenic Steroids In Male Athletes' Fertility.- Impact of physical activity and exercise on female reproductive potential.- Hormonal and Reproductive Changes Associated with Physical Activity and Exercise.- Risk Biotypes and the Female Athlete Triad.- Consequences Of The Use Of Anabolic Androgenic Steroids On Female Athletes' Fertility.- Impact of intense

physical activity on puberty and reproductive potential of young athletes.- Physical activity and pregnancy.- Impact of combined oral contraceptive use on exercise and health in female athletes.- Oxidative Stress and Infertility: a Possible Link to Exercise.- Nutritional Deficiencies and Impairment of Fertility in Athletes -- Recommendations and therapeutic guidelines for exercise-related reproductive disorders -- Exercise strategies as therapeutic treatment for fertility disorders (obesity, PCOS, etc).

Sommario/riassunto

Providing a comprehensive review of the interactions between exercise and human reproduction, this unique text focuses on both the positive and negative consequences of sport and physical activity on male and female fertility and infertility and the biological mechanisms and processes behind them. Beginning with a review of the structure and function of the male and female reproductive systems as well as fertilization and gestation, the discussion then turns to the physiology and endocrinology of sport and exercise, which is further elaborated in subsequent chapters on the impact of physical activity, hormonal changes, pathologies, and consequences of drug use for active men and women. Additional chapters address related topics, such as the impact of sport on young athletes and developing reproductive potential, physical activity and pregnancy, the use of oral contraceptives in athletes, oxidative stress, and the impact of nutritional deficiencies on athletes' fertility, with a final chapter providing recommendations and therapeutic guidelines for exercise-related reproductive disorders. Covering everything from the fundamental principles of sports physiology and human reproductive potential to the interaction between physical exercise and the endocrinology of the reproductive system, *Exercise and Human Reproduction* is an authoritative resource for helping clinicians understand how the reproductive system adapts to activity and exercise and offers strategies to avoid potential harm to human reproduction.
