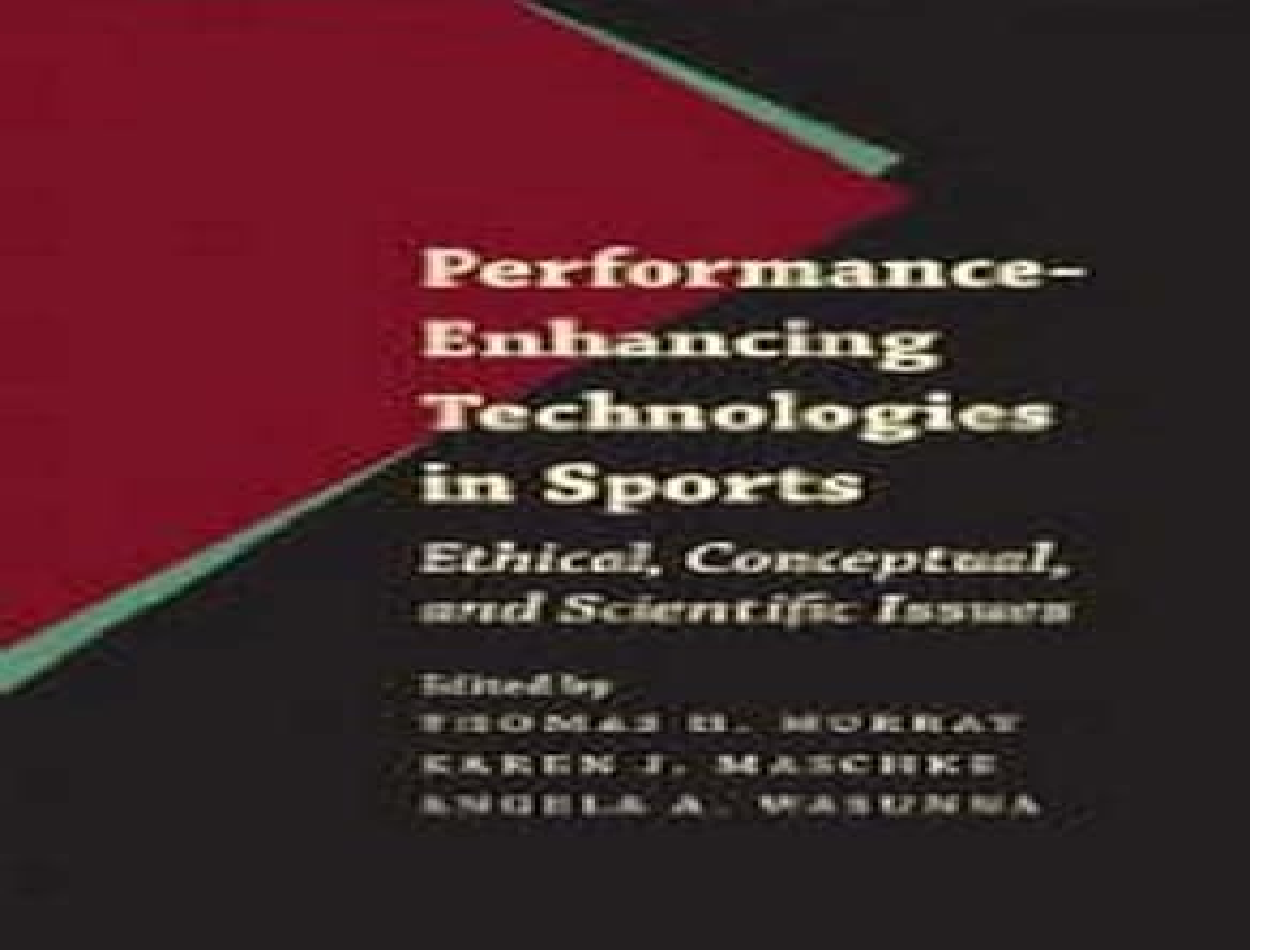




Performance- Enhancing Technologies in Sports

*Ethical, Conceptual,
and Scientific Issues*

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Performance Enhancing Technologies In Sports Ethical Conceptual And Scientific Issues

Silvia Camporesi, Mike McNamee



Performance Enhancing Technologies In Sports Ethical Conceptual And Scientific Issues:

Performance-enhancing Technologies in Sports Thomas H. Murray, Karen J. Maschke, Angela A. Wasunna, 2009 **Gene Doping in Sports** Angela J. Schneider, 2006-03-14 Advances in genetics have begun to deliver on their promise of new and improved approaches to the prevention and treatment of human disease including the gene based therapeutics The international sports community has begun to recognize the potential harmful use of gene transfer technology by athletes The task of monitoring and controlling sports doping must be a truly cooperative effort involving the cooperation of a range of local national and international organizations There are very serious broad social and ethical issues at stake that relate to our definition of sports and its role in our society as well as the social and ethical principles that are challenged or breached through sport doping determining which forms of performance enhancement in sport or any other realm of human activity are acceptable and what makes the enhancement of sport performance different from enhancement in other areas of human activity e g cosmetic surgery mood and learning enhancement through drugs and drug based treatment of physical and intellectual changes in normal aging process This book tackles all these issues and more serving as the first such focused treatment of this increasingly important topic which has broad based implications for science medicine sports and society

The Ethics of Sports Technologies and Human Enhancement Thomas H. Murray, Voo Teck Chuan, 2020-07-26 This volume presents articles which focus on the ethical evaluation of performance enhancing technologies in sport The collection considers whether drug doping should be banned the rationale of not banning ethically contested innovations such as hypoxic chambers and the implications of the prospects of human genetic engineering for the notion of sport as a development of natural talent towards human excellence The essays demonstrate the significance of the principles of preventing harm ensuring fairness and preserving meaning to appraise whether a particular performance enhancer is acceptable in the context of sport Selected essays on various forms of human enhancement outside of sport that highlight other principles and concepts are included for comparative purpose Sport enhancement provides a useful starting point to work through the ethics of enhancement in other human practices and endeavors and sport enhancement ethics should track broader bioethical debates on human enhancement As a whole the volume points to the need to consider the values and meanings that people seek in a given sphere of human activity and their associated principles to arrive at a morally grounded and reasonable approach to enhancement ethics *Athletic Enhancement, Human Nature and Ethics* Jan Tolleneer, Sigrid Sterckx, Pieter Bonte, 2012-12-09 The book provides an in depth discussion on the human nature concept from different perspectives and from different disciplines analyzing its use in the doping debate and researching its normative overtones The relation between natural talent and enhanced abilities is scrutinized within a proper conceptual and theoretical framework is doping to be seen as a factor of the athlete's dehumanization or is it a tool to fulfill his/her aspirations to go faster higher and stronger Which characteristics make sports such a peculiar subject of ethical discussion and what are the

both intrinsic and extrinsic moral dangers and opportunities involved in athletic enhancement This volume combines fundamental philosophical anthropological reflection with applied ethics and socio cultural and empirical approaches Furthermore guidelines will be presented to decision and policy makers on local national and international levels Zooming in on the intrinsic issue of what is valuable about our homo sapiens biological condition this volume devotes only scant attention to the specific issue of natural talent and why such talent is appreciated so differently than biotechnological origins of ability In addition specific aspects of sports such as its competitive nature and its direct display of bodily prowess provide good reason to single out the issue of natural athletic talent for sustained ethical scrutiny Performance-Enhancing

Technologies in Sports Thomas H. Murray, Karen J. Maschke, Angela A. Wasunna, 2009-11-16 This book brings together an interdisciplinary group of experts in bioethics sports law and philosophy to examine the need for regulating such athletic performance enhancing technologies as steroids and gene doping The use of performance improving drugs in sports dates back to the early Olympians who took an herbal tonic before competitions to augment athletic prowess But the permissibility of doing so came into question only in the twentieth century as the popularity of anabolic steroid use and blood doping among athletes grew Sports officials and others aided by the development of technologies to test participants for proscribed substances became concerned over the physical safety of athletes and competitive fairness in sporting events In exploring the culture ethics and policy issues surrounding doping in competitive athletics the contributors to this volume detail the history and current state of drug use in sports analyze the distinctions between acceptable and unacceptable usages evaluate the ethical arguments for and against permitting athletes to avail themselves of new means of improving athleticism and discuss possible future doping technologies and the issues that they are likely to raise They explain how and why some athletes resort to doping and assess what the fair opportunity principle means in theory and practice and how it relates to the concept of an equal opportunity to perform This frank discussion of doping in sports includes accounts by former elite athletes and offers an illuminating exchange over the meaning and value of natural talents and genetic hierarchies and the essence of fair competition **Doping and Public Health** Nader Ahmadi, Arne Ljungqvist, Göran Svedsäter, 2016-03-31

Doping the use of performance enhancing substances and methods has long been a high profile issue in sport but in recent years it has also become an issue in wider society This important new book examines doping as a public health issue drawing on a multi disciplinary set of perspectives to explore the prevalence significance and consequences of doping in wider society It introduces the epidemiology of doping examines the historical context and explores the social behavioural legal ethical and political aspects of doping The book also discusses possible interventions for addressing the problem on organisational and societal levels Doping and Public Health incorporates the latest research to provide a comprehensive guide to the key aspects of doping as a social phenomenon Divided into six parts this collection of studies offers detailed insight into ideals of health and fitness in today s society reasons behind the use of doping medical and social consequences of doping the importance of

a doping free society challenges to the detection and prevention of doping the global anti doping movement This book is a valuable resource for sport students instructors and sport professionals and will also be of interest to educators and policy makers working in the areas of health criminology sociology and law **Sport, Medicine, Ethics** Mike

McNamee,2014-04-16 The ethics of sports medicine is an important emerging area within biomedical ethics The professionalization of medical support services in sport and continuing debates around issues such as performance enhancing technologies or the health and welfare of athletes mean that all practitioners in sport as well as researchers with an interest in sports ethics need to develop a clear understanding of the ethical aspects of the sport medicine nexus This timely collection of articles explores the conceptual and practical issues that shape and define ethics in sports medicine Examining central topics such as consent confidentiality pain doping and genetic technology this book establishes an important baseline for future academic and professional work in this area Routledge Handbook of the Philosophy of Sport

Mike McNamee,William Morgan,2015-03-05 The Routledge Handbook of the Philosophy of Sport is a landmark publication in sport studies It goes further than any book has before in tracing the contours of the discipline of the philosophy of sport and in surveying the core themes approaches and theories that form its disciplinary fabric The book explores the ways in which an understanding of philosophy can inform our understanding of important prevailing issues in sport Edited by two of the most significant figures in the development of the philosophy of sport Mike McNamee and Bill Morgan and with contributions from many of the world s leading sport philosophers this is an invaluable companion reference volume for any course in the social scientific study of sport and an essential addition to the bookshelf of any serious scholar of the philosophy and or ethics of sport Routledge Handbook of Drugs and Sport Verner Møller,Ivan Waddington,John M. Hoberman,2015-06-19 Doping

has become one of the most important and high profile issues in contemporary sport Shocking cases such as that of Lance Armstrong and the US Postal cycling team have exposed the complicated relationships between athletes teams physicians sports governing bodies drugs providers and judicial systems all locked in a constant struggle for competitive advantage The Routledge Handbook of Drugs and Sport is simply the most comprehensive and authoritative survey of social scientific research on this hugely important issue ever to be published It presents an overview of key topics problems ideas concepts and cases across seven thematic sections which include chapters addressing The history of doping in sport Philosophical approaches to understanding doping The development of anti doping policy Studies of doping in seven major sports including athletics cycling baseball and soccer In depth analysis of four of the most prominent doping scandals in history namely Ben Johnson institutionalized doping in the former GDR the 1998 Tour de France and Lance Armstrong WADA and the national anti doping organizations Key contemporary debates around strict liability the criminalization of doping and zero tolerance versus harm reduction Doping outside of elite sport in gyms the military and the police With contributions from many of the world s leading researchers into drugs and sport this book is the perfect starting point for any advanced student researcher

policy maker coach or administrator looking to develop their understanding of an issue that has had and will continue to have a profound impact on the development of sport

The Psychology of Doping in Sport Vassilis Barkoukis, Lambros Lazuras, Haralambos Tsorbatzoudis, 2015-07-16 This is the first book to draw together cutting edge research on the psychological processes underlying doping use in sport and exercise thereby filling an important gap in our understanding of this centrally important issue in contemporary sport Covering diverse areas of psychology such as social cognition automatic and controlled processes moral decision making and societal and contextual influence on behaviour the book also explores methodological considerations surrounding doping assessment in psychological research as well as future directions for evidence based preventive interventions and anti doping education Written by a team of leading international researchers from countries including the US Canada Australia the UK Greece Germany Italy Denmark and Ireland the book integrates empirical findings with theoretical guidance for future psychological research on doping and illuminates the challenges needs and priorities in contemporary doping prevention It is important reading for advanced students and researchers in sport and exercise science sport management and sport policy and will open up new perspectives for professional coaches sports administrators policy makers and sport medicine specialists looking to better understand the doping behaviours of athletes in sport

The Bloomsbury Companion to the Philosophy of Sport Cesar R. Torres, 2014-05-16 The Bloomsbury Companion to the Philosophy of Sport features specially commissioned essays from a team of leading international scholars The book by providing an overview of the advances in the philosophical understanding of sport and related practices serves as a measure of the development of the philosophy of sport but it also constitutes an expression of the discipline s state of the art The book includes a critical analysis of the historical development of philosophic ideas about sport three essays on the research methods typically used by sport philosophers twelve essays that address vital issues at the forefront of key research areas as well as four essays on topics of future disciplinary concern The book also includes a glossary of key terms and concepts an essay on resources available to researchers and practitioners an essay on careers opportunities in the discipline and an extensive annotated bibliography of key literature

The Encyclopaedia of Sports Medicine, Genetic and Molecular Aspects of Sports Performance Claude Bouchard, Eric P. Hoffman, 2011-08-02 This is the latest volume in the IOC Encyclopaedia of Sports Medicine series summarizing the evidence from all relevant sources on the genetic and molecular basis of sports and other human physical performance The initial chapters address the basic science of genomics and genetics and the regulation of gene expression Additional chapters provide authoritative information on the genetics of complex performance phenotypes the contributions of small animal research family and twin studies and ethnic comparisons A final section addresses the issue of the contribution of specific genes and molecular markers as related to endurance strength and power and responsiveness to specific conditioning programs This latest volume in the Encyclopaedia of Sports Medicine Series from the Medical Commission of the International Olympic Committee is a must for

sports and exercise scientists who require a thorough guide to the most cutting edge science in this expanding field

Modern Sport Ethics Angela Lumpkin, 2016-12-12 The descriptions and examples of unethical behaviors in sport in this book will challenge readers to rethink how they view sport and question whether participating in sport builds character especially at the youth and amateur levels Sport potentially can teach character as well as social and moral values but only when these positive concepts are consistently taught modeled and reinforced by sport leaders with the moral courage to do so The seeming moral crisis threatening amateur and youth sport evidenced by athletes coaches and parents alike making poor ethical choices and ongoing scandals regarding performance enhancing drug use by professional athletes make sports ethics a topic of great concern This work enables readers to better understand the ethical challenges facing competitive sport by addressing issues such as gamesmanship doping cheating sportsmanship fair play and respect for the game A compelling read for coaches sport administrators players parents and sport fans the book examines specific examples of unethical behaviors many cases of which occur in amateur and educational sports to illustrate how these incidents threaten the perception that sport builds character It identifies and investigates the multiple reasons for cheating in sport such as the fact that the rewards for succeeding are so high and the feeling of athletes that they must behave as they do to level the playing field because everyone else is cheating being violent taking performance enhancing drugs or doing whatever it takes to win Readers will gain insight into how coaches and sport administrators can achieve the goals for youth interscholastic intercollegiate and Olympic sport by stressing moral values and character development as well as see how specific recommendations can help ensure that sport can serve to build character rather than teach bad behavior in the pursuit of victory

The Oxford Handbook of Bioethics Bonnie Steinbock, 2007-02-15 Bonnie Steinbock presents the authoritative state of the art guide to current issues in bioethics covering 30 topics in original essays by some of the world's leading figures in the field as well as by some newer up and comers Anyone who wants to know how the central debates in bioethics have developed in recent years and where the debates are going will want to consult this book

From Bench to Bedside, to Track & Field Silvia Camporesi, 2014-08-05 This book represents a unique contribution to the debate on enhancement technologies as it spans from the bench of molecular biology where the technologies are being developed to the bedside of a clinical trial where they are used for selective reproduction or for first in human gene therapy studies to the track field where they are being applied to enhance human athletic performance These investigations address current debates regarding the resurgence of eugenics in relation to genetic technologies and provide a clear and much needed ethical autopsy of contemporary genetic practices

The Handbook of Drugs and Society Henry H. Brownstein, 2015-09-25 This handbook provides a comprehensive examination of the past and present roles of drugs in society with a focus on theory research policy and practice Includes 28 original chapters with multi disciplinary and international perspectives by top social and behavioral scientists Reviews current knowledge in the field including key research findings theoretical developments and

methodological debates Identifies ongoing controversies in the field emergent topics and areas in need of further inquiry Discusses individual drugs as well as topics like physiological theories of drug use and abuse public health implications of drugs patterns of drugs and crime international drug trade and trafficking and designer drugs The Ideal of Nature Gregory E. Kaebnick, 2022-02-03 In this provocative anthology scholars consider the meaning and merits of nature in debates about biotechnology and the environment Drawing on philosophy religion and political science this book asks what the term nature means how it should be considered and if it is even in part a social construct The contributors question if the quality of being natural is intrinsically valuable They also discuss whether appeals to nature can and should affect public policy and if so whether they are moral trump cards or should instead be weighed against other concerns Though consensus on these questions remains elusive this should not be an obstacle to moving the debate forward By bringing together disparate approaches to addressing these concepts The Ideal of Nature suggests the possibility of intermediate positions that move beyond the usual full throated defense and blanket dismissal found in much of the debate Scholars of bioethics environmental philosophy religious studies sociology public policy and political theory will find much merit in this book s lively discussion

Bioethics, Genetics and Sport Silvia Camporesi, Mike McNamee, 2018-04-09 Advances in genetics and related biotechnologies are having a profound effect on sport raising important ethical questions about the limits and possibilities of the human body Drawing on real case studies and grounded in rigorous scientific evidence this book offers an ethical critique of current practices and explores the intersection of genetics ethics and sport Written by two of the world s leading authorities on the ethics of biotechnology in sport the book addresses the philosophical implications of the latest scientific developments and technological data Distinguishing fact from popular myth and science fiction it covers key topics such as the genetic basis of sport performance and the role of genetic testing in talent identification and development Its ten chapters discuss current debates surrounding issues such as the shifting relationship between genetics sports medicine and sports science gene enhancement gene transfer technology doping and disability sport The first book to be published on this important subject in more than a decade this is fascinating reading for anyone with an interest in the ethics of sport bioethics or sport performance **Encyclopedia of Sports Management and Marketing** Linda E. Swayne, Mark Dodds, 2011-08-08

This four volume set introduces on the management side principles and procedures of economics budgeting and finance leadership governance communication business law and ethics and human resources practices all in the sports context On the marketing side this reference resource explores two broad streams marketing of sport and of sport related products promoting a particular team or selling team and sport related merchandise for example and using sports as a platform for marketing non sports products such as celebrity endorsements of a particular brand of watch or the corporate sponsorship of a tennis tournament Together these four volumes offer a comprehensive and authoritative overview of the state of sports management and marketing today providing an invaluable print or online resource for student researchers **The Eternal**

Present of Sport Daniel A. Grano, 2017-06 In his persuasive study *The Eternal Present of Sport* Daniel Grano rethinks the sport religion relationship by positioning sport as a source of theological trouble Focusing on bodies time movement and memory he demonstrates how negative theology can be practically and theoretically useful as a critique of elite televised sport Grano asserts that it is precisely through sport's highest religious ideals that controversies are taking shape and constituting points of political and social rupture He examines issues of transcendence legacy e g greatest ever or all time and witnessing through instant replay which undermine institutional authority Grano also reflects on elite athletes representing especially powerful embodiments of religious and social conflict including around issues related to gender sexuality ability doping traumatic brain injury and institutional greed Elite sport is in a period of profound crisis It is through the ideals Grano analyzes that we can imagine a radically alternative future for elite sport

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