

1. Record Nr.	UNINA9910841875603321
Titolo	Case studies in applied psychophysiology [[electronic resource] ] : neurofeedback and biofeedback treatments for advances in human performance // edited by W. Alex Edmonds and Gershon Tenenbaum
Pubbl/distr/stampa	Chichester, West Sussex, : John Wiley & Sons, c2012
ISBN	1-119-95449-5 1-283-33310-4 9786613333100 1-119-95998-5 1-119-95999-3
Descrizione fisica	1 online resource (344 p.)
Altri autori (Persone)	EdmondsW. Alex TenenbaumGershon
Disciplina	152
Soggetti	Psychophysiology Biological control systems
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	Case Studies in Applied Psychophysiology: Neurofeedback and Biofeedback Treatments for Advances in Human Performance; Contents; Preface; About the Editors and Contributing Authors; Part I: General Biofeedback and Neurofeedback Forwards; 1 The Use of General Biofeedback in the Pursuit of Optimal Performance; Introduction; Paradigms in Biofeedback Assisted Optimal Performance Work; The Field of Optimal Performance Psychophysiology; A Brief History; Biofeedback Tools for Optimal Performance: Modalities; Standards for Application; Professional Resources; Conclusion; References 2 Performance Enhancement Applications of NeurofeedbackIntroduction; Application to Optimal Functioning; The Role of Assessment; The Reduction to Practice; Professional Preparation; Principal Neurofeedback Approaches; Summary and Conclusion; Resources; References; Part II: Case Presentations; 3 Case 1 - Bad Shot, Good Shot: Neurofeedback for World Champion or

Developing Athlete; World Champion Archer: Kevin Evans; Using EEG for a Developing Athlete; Long-term EEG Training for Developing Athletes; Summary of Bad Shot, Good Shot; References

4 Case 2 - Imagery Assessment and Training with QEEG: What You See Is Not All There Is Introduction; Imagery Definition and Models; Models of Imagery; Assessment of Imagery; EEG and Imagery; The Future of Imagery Assessment; Methodological Issues in Imagery; Clinical Suggestions; Clinical Use of QEEG for the Assessment and Training of Sport Imagery; Typical Training Session including Imagery; Summary; References;

5 Case 3 - Simultaneous Alpha EEG Enhancing and Frontal's Muscle EMG Decreasing: Biofeedback Training for Musical Peak Performance; Introduction; Background Information of Client Description of the Presenting Problem Assessment and Diagnosis; Alpha Activity EEG Analysis; Intervention; Outcomes and Discussion of Findings; References;

6 Case 4 - The Golfer Who Couldn't Pass the Anxiety Test!; Background Information of Client; On Being a "Mental Coach"; Description of the Presenting Problem; Biofeedback and Neurofeedback Protocol - Assessment, Diagnosis, and Training; Outcome and Discussion; References;

7 Case 5 - Biofeedback for Relaxation; Introduction; Background Information; Assessment and Diagnosis; Interventions and Results; Summary and Conclusions; Reference

8 Case 6 - The Road to Olympic Medal Background Information; Athlete; Intervention, Equipment, and Measurements; Results and Discussion of Findings; References;

9 Case 7 - Biofeedback Training at Sea; Background Information; Athlete; Equipment, Assessment and Diagnosis; Intervention and Settings; References;

10 Case 8 - I Thought I Was Relaxed: The Use of SEMG Biofeedback for Training Awareness and Control; Introduction; Lack of Muscle Tension Awareness; Clinically Relevant Findings; Dysponesis; Making the Invisible Visible; Example 1: Improving Health at the Computer; Assessment Discussion of the Assessment

---

Sommario/riassunto

A thorough, readable primer for the practitioner and student, detailing case studies on the art and science of biofeedback and neurofeedback in practice. Includes case-study examples focusing directly on improving human performance in non-clinical populations utilizing biofeedback and neurofeedback techniques Links theory and practice for scholars and practitioners in the field Acknowledges both the art and science of utilizing these tools for performance-related gains in sports and artistic fields, presenting unique case studies detailing the variety of procedures u

---