

Foreword8

Acknowledgments10

1 Basketball Games Are Decided in the Head12

2 Definition and Relevance of Cognitions.....16

3 Cognition in Basketball 22

3.1 Anticipation 25

3.2 Perception 28

3.3 Attention 38

3.4 Game Intelligence..... 47

3.5 Game Creativity..... 50

3.6 Working Memory 56

4 Diagnostics of Cognitions..... 60

THE MENTAL GAME

4.1 Laboratory Tests 60

 4.1.1 Attention Window Test62

 4.1.2 Working Memory Span Test.....63

 4.1.3 Perceptual Load Test.....64

 4.1.4 Multiple Object Tracking Test66

4.2 Court Tests..... 68

 4.2.1 Game Test Situation: Moving the Ball Towards the Goal.....68

 4.2.2 Game Test Situation: Interplay 71

 4.2.3 Game Test Situation: Using Gaps 74

 4.2.4 Game Test Situation: Creating a Majority..... 76

5 Games for Cognitive Training 80

Outlook..... 176

References 178

About the Authors 199