

<b>1.4 Implementation of Cognitive Rehabilitation Interventions</b>	20
1.4.A A Practical Guide to Treatment Planning and Goal Writing	20
1.4.A.1 MOVING FROM STRATEGIES TO TACTICS	20
1.4.A.2 LONG-TERM AND SHORT-TERM GOALS	21
1.4.A.3 ANATOMY OF A SHORT-TERM GOAL	21
1.4.A.4 SAMPLE TEMPLATE FOR GOAL SETTING	23
1.4.B Adopting a Scientist-Practitioner Model to Enhance Clinical Practice and Monitoring Progress in Cognitive Rehabilitation	24
1.4.B.1 IMPORTANCE OF DATA COLLECTION IN COGNITIVE REHABILITATION	24
1.4.B.2 PERFORMANCE-BASED MEASUREMENT OF COGNITIVE INTERVENTION OUTCOMES	25
1.4.B.3 RATIONALE FOR A SINGLE-CASE DESIGN APPROACH TO ASSESSMENT AND TREATMENT	27
<b>1.5 Study Questions and Group Discussion Points</b>	29

## CHAPTER 2

### Keeping the Brain in Cognitive Rehabilitation: The Relevance of Functional Neuroanatomy and Neuropathology

Lance Trexler, PhD, FACRM  
Giuseppe Zappalà, MD

<b>2.1 Introduction</b>	33
2.1.A What Is This Issue With Donuts?	33
<b>2.2 A Clinically Useful Framework of Functional Neuroanatomy for Cognitive and Neurobehavioral Functions</b>	35
2.2.A The External World	35
2.2.B Intermediate Cognitive Processing	35
2.2.C The Internal Milieu	37
<b>2.3. Neural Networks That Support Cognitive Functioning</b>	39
2.3.A Spatial Awareness Network	39
2.3.B Language Network	41
2.3.C Explicit Memory and Emotion Network	41
2.3.D Face and Object Recognition Network	41
2.3.E Executive Functions Network	42
<b>2.4 Neuropathology and Cognitive Rehabilitation</b>	47
2.4.A Traumatic Brain Injury	47
2.4.B Stroke	47
2.4.C Intracranial Tumors	50
2.4.D Hypoxic Encephalopathy	51
<b>2.5 Implications for Cognitive Rehabilitation</b>	52