

TABLE OF CONTENTS

PREFACE	1
INTRODUCTION	3
CHAPTER 1: PRIMITIVE REFLEXES AND THEIR BENEFITS	7
CHAPTER 2: WHAT IS THE TONIC LABYRINTHINE REFLEX (TLR)?	9
A. Onset and Patterns of the Tonic Labyrinthine Reflex	9
B. Benefits of the Tonic Labyrinthine Reflex	11
C. Retained Tonic Labyrinthine Reflex: Signs, Symptoms and Behaviors	18
CHAPTER 3: TESTING AND SCREENING FOR TLR	23
A. Symptoms and Behavioral Checklist: Tonic Labyrinthine Reflex	23
B. Screen 1: Head Pendulum Standing	28
CHAPTER 4: ADDRESSING A RETAINED TONIC LABYRINTHINE REFLEX (TLR)	37
A. Intervention and Treatment Planning	37
B. Accommodations	39
C. Exercises to Promote Tonic Labyrinthine Reflex	40
1. Head Pendulum Standing	43
2. Whole Body Pendulum	46

3. Head Pendulum with Straight Arms	48
4. Down Dog & Cobra	51
5. Rolling Like a Log	54
6. Segmental Rolling (Initiate from Lower Body)	56
7. Segmental Rolling (Initiate from Upper Body)	59
8. Theraband Neck Resistance & Tactile Cues	62
9. Head Pendulum with Bent Knees	65
10. Jumping Forward	68
11. Head Pendulum Standing on Toes	70
12. Rainbow Breathing	73
13. Balance Walk	76
14. Walking on Heels	79
15. Superman & Superwoman	81
16. Superwoman/Superman on Scooter	87
17. Scooter Board Rope Pull (Two Hands)	89
18. Scooter Board Rope Pull (Alternating Hands)	92
19. Wall Push on Scooter Board	95
20. Scooter Board Slither on Back	97
21. Scooter Board on Back (Legs Only)	100
22. Wall Kick on Scooter Board	102
23. Popcorn on Floor	105
24. Swimming on Floor	107
25. Earth Hugger (Backwards)	110
26. Earth Hugger (Forward)	113

PREFACE

27. Hot Potatoes	116
28. Boat Pose	121
29. Boat Pose Crunches	124
30. Bicycle Curls (Criss-Cross Curls)	127
31. Rolling Like a Ball	129
32. Dead Bug	131
33. Double Leg Stretch	135
34. Banana Roll	138
35. Back Extension on Therapy Ball	141
CHAPTER 5: ADDITIONAL RECOMMENDATIONS AND RESOURCES	145
A. How Do You Know If a Treatment Plan and Exercises Are Working?	145
B. Suggested Movement Breaks and Activities to Help Promote Tonic Labyrinthine Reflex Integration	146
Table #2: Suggested Activities to Incorporate Throughout the Day	147
C. Treatment Ideas for Occupational Therapists Working in a Clinical Setting	148
D. Letter to Parent/Caregiver	149
Table #3: Tonic Labyrinthine Reflex Integration Exercise Log	151
GLOSSARY	155
RESOURCES	159
ABOUT THE AUTHOR	161