

Author: Ida Lucy Iacobucci, 2015

License: Unless otherwise noted, this material is made available under the terms of the Creative Commons Attribution-NonCommercial-Share Alike 4.0 License:
<http://creativecommons.org/licenses/by-nc-sa/4.0/>

The University of Michigan open.Michigan initiative has reviewed this material in accordance with U.S. Copyright Law and has tried to maximize your ability to use, share, and adapt it. Copyright holders of content included in this material should contact open.michigan@umich.edu with any questions, corrections, or clarification regarding the use of content.

For more information about how to attribute these materials, please visit:

<http://open.umich.edu/education/about/terms-of-use>.

CONTENTS

Foreword

Preface

Acknowledgments

Chapter One

Basic Tests to Evaluate Ocular Motility.....	1
I. Vision Assessment in Children Under Five Years of Age.....	1
II. Ocular Motility.....	3
III. Measurements in Ocular Motility.....	6
IV. Sensory and Motor Tests.....	10

Chapter Two

Forms of Retinal Correspondence.....	25
(NRC-Normal Retinal Correspondence)	
(ARC – Anomalous Retinal Correspondence)	
I. Introduction – Horopter & Types of ARC.....	25
II. Sensory Tests for ARC.....	32
III. Objective Tests.....	34
IV. Treatment of ARC Patients.....	35

Chapter Three

Diplopia.....	37
I. Binocular Diplopia.....	37
II. Physiological Diplopia.....	38
III. Pathological Diplopia.....	39
IV. Unocular Diplopia.....	39
V. Paradoxical Diplopia.....	40

Chapter Four

Amblyopia.....	41
I. Introduction.....	41
II. Amblyopia Treatment in Patients Through Three Years of Age with Central or Eccentric Fixation.....	44
III. Amblyopia Treatment Ages Four to Twelve Years with Central Fixation.....	45
IV. Amblyopia Treatment Ages Four to Twelve with Eccentric Fixation, Including Ploptics.....	46
V. Pharmaceutical Penalization.....	48
VI. Additional Modalities of Treatment.....	49

Chapter Five	
Esodeviation.....	51
I. Latent Esodeviations - Comitant/Incomitant.....	51
II. Manifest Esodeviations – Comitant Types.....	56
III. Manifest Esodeviations – Incomitant Types.....	67
Chapter Six	
Accommodation and Convergence: AC/A Ratio.....	73
I. Accommodation.....	73
II. Clinical Measurements of Accommodation.....	74
III. Convergence.....	75
IV. AC/A Ratio – Accommodation Relationship.....	76
V. Measurement of AC/A Ratio.....	78
VI. Examples.....	79
VII. Clinical Method in Determining AC/A Ratio.....	79
Chapter Seven	
Exodeviation.....	81
I. Introduction.....	81
II. Incomitant Manifest Exodeviations.....	82
III. Incomitant Manifest Exodeviations.....	92
IV. Medial Rectus Paralysis (Rare).....	93
Chapter Eight	
Vertical Deviations.....	95
I. Hyperphoria.....	95
II. Manifest Vertical Deviations.....	97
III. Double Hypertropia.....	111
IV. Dissociated Vertical Divergence DVD.....	111
V. Dissociated Horizontal Deviation DHD.....	115
VI. Double Elevator Palsy.....	116
VII. Brown's SO Tendon Sheath Syndrome.....	116
Chapter Nine	
A-V Syndrome or Patterns.....	119
I. Introduction.....	119
II. Etiology.....	119
III. Surgery.....	120

Chapter Ten	
Cyclodeviations.....	123
I. Definitions.....	123
II. Classifications.....	123
III. Etiology.....	123
IV. Symptoms.....	123
V. Tests for Determination and Measurement of Cyclodeviations.....	124
VI. Treatment.....	126
Chapter Eleven	
Press-On Prism Management for Horizontal Deviations in Children and Adults.....	127
I. Press-On Prism Management in Esotropic Children and Adults...	127
II. Esodeviation – No Previous Surgery.....	127
III. Post ET Surgery.....	128
IV. Press-On Prism Management in Exotropic Children and Adults	129
V. Exodeviation – No Previous Surgery.....	129
VI. Post XT Surgery.....	130
VII. Neurogenic and Myogenic Deviations (Recent Onset).....	131
VIII. Selection of the Press-On Prism, Cutting Techniques, and Applying to Lens.....	132
Chapter Twelve	
Eye Practices.....	135
I. Fixation and Antisuppression Practices.....	135
II. Fusion Practices.....	139
III. Near Point of Convergence Practices.....	140
IV. Amplitude Training.....	146
Bibliography & References.....	151
About the Author.....	153