Eye Therapy Rehab:

Saccadic eye movement applications for psychiatric disorders

<u>Treatment of symptomatic convergence insufficiency in children with a home-based computer orthoptic</u> <u>exercise program</u>

<u>Treatment of symptomatic convergence insufficiency with a home-based computer orthoptic exercise</u> <u>program</u>

A Systematic Review of the Applicability and Efficacy of Eye Exercises

Active Rehabilitation of Concussion and Post-concussion Syndrome

Are Orthoptic Exercises an Effective Treatment for Convergence and Fusion Deficiencies

Diagnostic Validity of Clinical Signs Associated with a Large Exophoria at Near

Non-surgical interventions for convergence insufficiency

Objective Assessment of Vergence after Treatment of Concussion-Related CI- A Pilot Study

PEDIATRIC OPHTHALMOLOGY/STRABISMUS PREFERRED PRACTICE PATTERN® DEVELOPMENT PROCESS AND PARTICIPANTS

Reading difficulties and the pediatric ophthalmologist

Relief of asthenopic symptoms with orthoptic exercises in convergence insufficiency is achieved in both adults and children

Research Conducted by M. Scheiman and Co-Researchers Has Updated Our Knowledge about Clinical <u>Trials Research</u>

Systematic reviews of optometric interventions

The changes in Phoria and convergence to divergence Peak Velocity ratio Are correlated

<u>The Effectiveness of Home-based Pencil Push-up Therapy Versus Office-based Therapy for the</u> <u>Treatment of Symptomatic Convergence Insufficiency in Young Adults.</u>

<u>The Effectiveness of Home-based Pencil Push-up Therapy Versus Office-based Therapy for the</u> <u>Treatment of Symptomatic Convergence Insufficiency in Young Adults.</u>

INC:

Anatomy and physiology of the primate interstitial nucleus of Cajal I. efferent projections

Anatomy and Physiology of the Primate Interstitial Nucleus of Cajal. II. Discharge Pattern of Single Efferent Fibers

Discharge Characteristics of Vestibular Saccade Neurons in Alert Monkeys

Gait Balance Disorder by Thalamic Infarction with the Disorder of Interstitial nucleus of cajal

Generation of torsional and vertical eye position signals by the interstitial nucleus of Cajal

Input-output organization of inhibitory neurons in the interstitial nucleus of Cajal projecting to the contralateral trochlear and oculomotor nucleus

Interstitial Nucleus of Cajal Encodes Three-Dimensional Head Orientations in Fick-Like Coordinates

Midbrain Control of Three-Dimensional Head Orientation

Neck Muscle Synergies During Stimulation and Inactivation of the Interstitial Nucleus of Cajal (INC)

Projections and Firing Properties of Down Eye-Movement Neurons in the Interstitial Nucleus of Cajal in the Cat

<u>Relationships between neck muscle electromyography and three-dimensional head kinematics during</u> <u>centrally induced torsional head perturbations</u>

<u>Rigidity and dorsiflexion of the neck in progressive supranuclear palsy and the interstitial nucleus of</u> <u>Cajal</u>

Spatial characteristics of neurons in the central mesencephalic reticular formation (cMRF) of headunrestrained monkeys

Synaptic organization of frontal eye field and vestibular afferents to interstitial nucleus of Cajal in the cat

Temporal characteristics of neurons in the central mesencephalic reticular formation of head unrestrained monkeys

<u>Three-Dimensional Eye–Head Coordination After Injection of Muscimol Into the Interstitial Nucleus of</u> <u>Cajal (INC)</u>

Vertical eye movement-related responses of neurons in midbrain near intestinal nucleus of Cajal

Medical Vestibular Nucleus:

<u>Age-related change of the neuronal number in the human medial vestibular nucleus- A stereological</u> <u>investigation</u>

Muscarinic and Med vestib nucleus cerebellar projections

Effects of neck muscle activities during rhythmic jaw movements by stimulation of the medial vestibular nucleus in rats

<u>Electrophysiological properties of morphologically-identified medial vestibular nucleus neurons</u> projecting to the abducens nucleus in the chick embryo

In vitro studies of medial vestibular nucleus neurones PhD dissertation

INTRINSIC MEMBRANE PROPERTIES AND PLASTICITY IN MEDIAL VESTIBULAR NUCLEUS NEURONES PhD Dissertation

Long-term Potentiation and Depression after Unilateral Labyrinthectomy in the Medial Vestibular Nucleus of Rats

<u>Synaptic Plasticity in Medial Vestibular Nucleus Neurons- Comparison with Computational Requirements</u> of VOR Adaptation

Medullary Reticular Formation:

<u>Cerebellar afferents originating from the medullary reticular formation that are different from mossy,</u> <u>climbing or monoaminergic fibers in the rat</u>

Dorsal and ventral aspects of the most caudal medullary reticular formation have differential roles in modulation and formation of the respiratory motor pattern in rat

Intrinsic membrane properties of pre-oromotor neurons in the intermediate zone of the medullary reticular formation

Role of the medial medullary reticular formation in relaying vestibular signals to the diaphragm and abdominal muscles

<u>Terminal field specificity of forebrain efferent axons to the pontine parabrachial nucleus and medullary</u> <u>reticular formation</u>

Mesencephalic reticular formation:

A central mesencephalic reticular formation projection to the Edinger–Westphal nuclei

<u>A central mesencephalic reticular formation projection to the supraoculomotor area in macaque</u> <u>monkeys</u>

Clinical Study of Eleven Patients with Midbrain Infarction-Induced Oculomotor Nerve Palsy

Effects of unilateral midbrain lesions on gaze (eye and head) movements.pdf

HISTORY- SENSORY PROPERTIES OF NEURONS IN THE MESENCEPHALIC RETICULAR FORMATION

<u>New Brain Structure and Function Study Findings Have Been Reported by Investigators at University of</u> <u>Munich (A central mesencephalic reticular formation projection to the Edinger-Westphal nuclei)</u>

On the Role of the Pedunculopontine Nucleus and Mesencephalic Reticular Formation in Locomotion in Nonhuman Primates

Peripheral stim and mesen retic form

The reticular formation

<u>Vestibular responses in the macaque pedunculopontine nucleus and central mesencephalic reticular</u> <u>formation</u>

NPH:

Effects of Nucleus Prepositus Hypoglossi Lesions on Visual Climbing Fiber Activity in the Rabbit Flocculus

Effects of neck muscle activities during rhythmic jaw movements by stimulation of the medial vestibular nucleus in rats

<u>Electrophysiological characteristics of inhibitory neurons of the prepositus hypoglossi nucleus as</u> <u>analyzed in Venus-expressing transgenic rats</u>

Eye Movement Deficits Following Ibotenic Acid Lesions of the Nucleus Prepositus Hypoglossi in Monkeys II. Pursuit, Vestibular, and Optokinetic Responses

Membrane properties of excitatory and inhibitory neurons in the rat prepositus hypoglossi nucleus

<u>Neural connections of the pontine reticular formation, which connects reciprocally with the nucleus</u> <u>prepositus hypoglossi in the rat</u>

Projections from the vestibular nuclei and nucleus prepositus hypoglossi to dorsal raphe nucleus in rats

The Clinical Syndrome and Etiological Mechanism of Infarction Involving the Nucleus Prepositus Hypoglossi

The Nucleus Prepositus Hypoglossi Contributes to Head Direction Cell Stability in Rats

Vestibular Imbalance Associated With a Lesion in the Nucleus Prepositus Hypoglossi Area

Omnipause Neurons:

Diagnosing disconjugate eye movements Phase-plane analysis of horizontal saccades

Distinguishing spinocerebellar ataxia with pure cerebellar manifestation from multiple system atrophy (MSA-C) through saccade profiles

Do brainstem omnipause neurons terminate saccades

Neural substrate for suppression of omnipause neurons at the onset of saccades

Pharmacological treatment effects on eye movement control

READING FOLDER Eye movements in reading and information processing- 20 years of research

<u>READING FOLDER The Relation between Reading Skills and Eye Movement Patterns in Adolescent</u> <u>Readers- Evidence from a Regular Orthography</u>

READING FOLDERAn examination of binocular reading fixations based on sentence corpus data

PPFR:

"Nine" syndrome/ A new neuro-ophthalmologic syndrome Report of two cases Mahale RR, Mehta A, John AA, Javali M, Abbas MM, Rangasetty S – Ann Indian Acad Neurol.pdf

"Abnormal tuning of saccade-related cells in pontine reticular formation of strabismic monkeys

"Central ocular motor disorders, including gaze palsy and nystagmus

"Coordination of eye and head components of movements evoked by stimulation of the paramedian pontine reticular formation

"Cortical and Subcortical Substrates of Cranial Nerve Function

"Cortical control of vertical and horizontal saccades in progressive supranuclear palsy- An exploratory fMRI study

Deterioration of horizontal saccades in progressive supranuclear palsy

Imaging of Ocular Motor Pathway

Isolated Horizontal Gaze Palsy- Observations and Explanations

Misdirected horizontal saccades in pan-cerebellar atrophy

PPRF and ENG

Pontine anatomy clinical

PPRF and Head turns

Radiographic conjugate horizontal eye deviation in patients with acute cerebellar infarction.pdf

<u>Studies of the Role of the Paramedian Pontine Reticular Formation in the Control of Head- Restrained</u> <u>and Head-Unrestrained Gaze Shifts</u>

THE ANATOMICAL IDENTIFICATION OF SACCADIC OMNIPAUSE NEURONS IN THE RAT BRAINSTEM

VTH Berce:

Chronic Trigemino-Cardiac Reflex- An Underestimated Truth

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<u>Electromyography and Fos immunostaining study establish a possible functional link between trigeminal</u> <u>proprioception and the oculomotor system in rats</u>

Rostral Interstitial Nucleus of the Medial Longitudinal Fasciculus:

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Activity of Mesencephalic Vertical Burst Neurons During Saccades and Smooth Pursuit

Assessment of Percheron infarction in images and clinical findings

CHEERS Eval Appendix

Deficits in torsional and vertical rapid eye movements and shift of Listing's plane after uni- and bilateral lesions of the rostral interstitial nucleus of the medial longitudinal fasciculus

Effects of unilateral midbrain lesions on gaze (eye and head) movements

Paroxysmal ocular tilt reactions after mesodiencephalic lesions- Report of two cases and review of the literature

<u>Responses in Mesencephalic Reticular Formation and Central Gray Matter Evoked by Somatic Peripheral</u> <u>Stimuli</u>

The Craig Hospital Eye Evaluation Rating Scale (CHEERS)

<u>Verticalgaze palsyandselectiveunilateral infarctionoftherostralinterstitialnucleusofthe</u> <u>mediallongitudinalfasciculus(riMLF)</u>

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Influence of Static Eye and Head Position on Tone-Evoked Gaze Shifts

Auditory spatial attention is encoded in a retinotopic reference frame across eye- movements