

Advanced Clinical Applications 2020

CSO June, 2020

From Syntonac



From Syntonac





Various stimuli including color



Brightlamp

- Brightlamp has created the world's first mobile pupillometer, Reflex, that measures the pupillary light reflex (PLR) in just a few second
- Historical data stores in cloud and used to monitor therapy
- Data bank access to relate findings to wide base of medical conditions

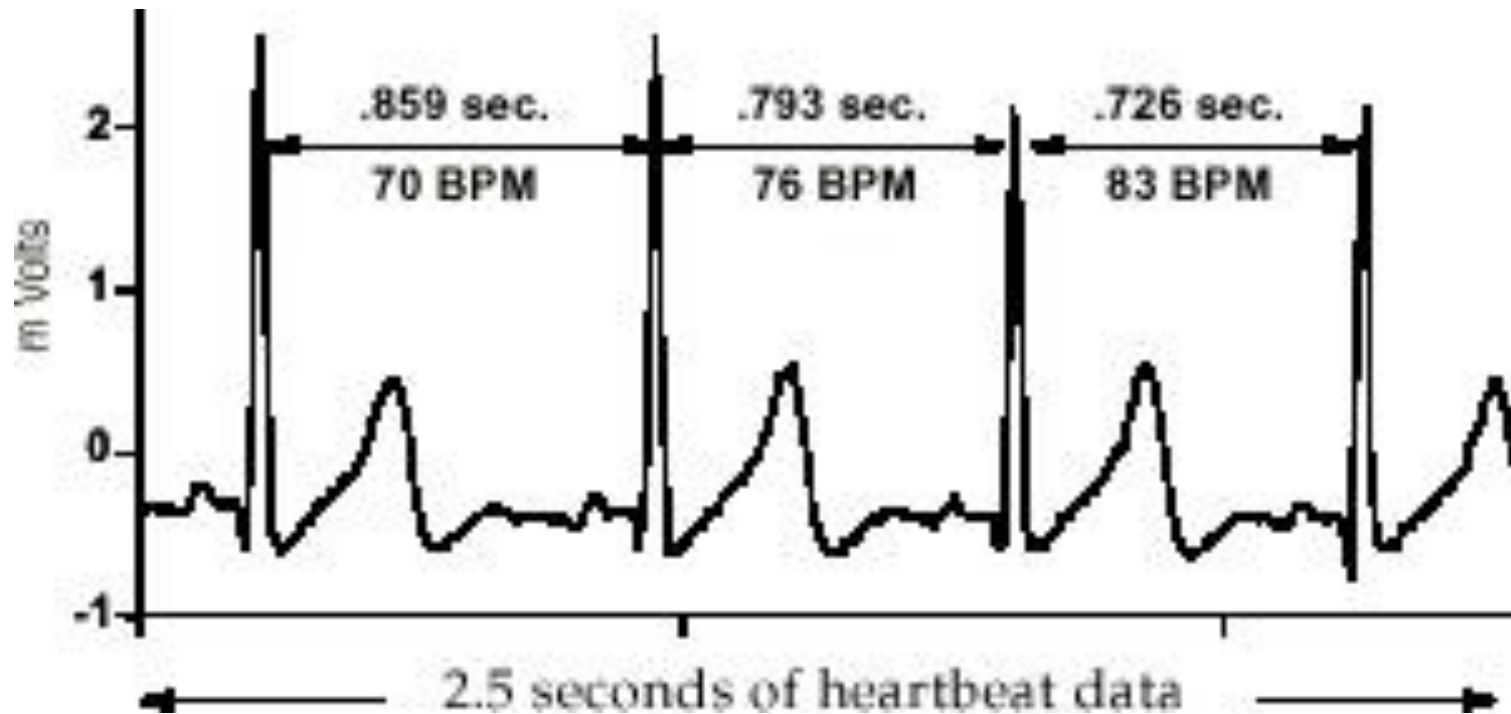
Pupulography

- Uses in diagnosis of optic nerve function
- Early predictor in glaucoma
- Informs whether problem is neurological or circulatory
- Can be used for functional diagnosis and efficacy in vision an photo-therapy
- Affects on visual fields, including yoke prism

Science of The Heart

- Heart Rate Variability
- Entrainment, Coherence, Autonomic Balance
- Head-Heart Interactions
- Emotional Balance and Health
- Devices from Heart Math: Power Spectrums to Iphone apps such as “Inner Balance”

Heart Rate Variability



Entrainment and Coherence

- Clarity of thought and emotional balance
The quality of being orderly, consistent, and intelligible (e.g. a coherent argument)
- Synchronization between multiple systems
A constructive waveform produced by two or more waves that are phase or frequency-locked (e.g., lasers)
- Ordered patterning within one system

HRV and Syntonics

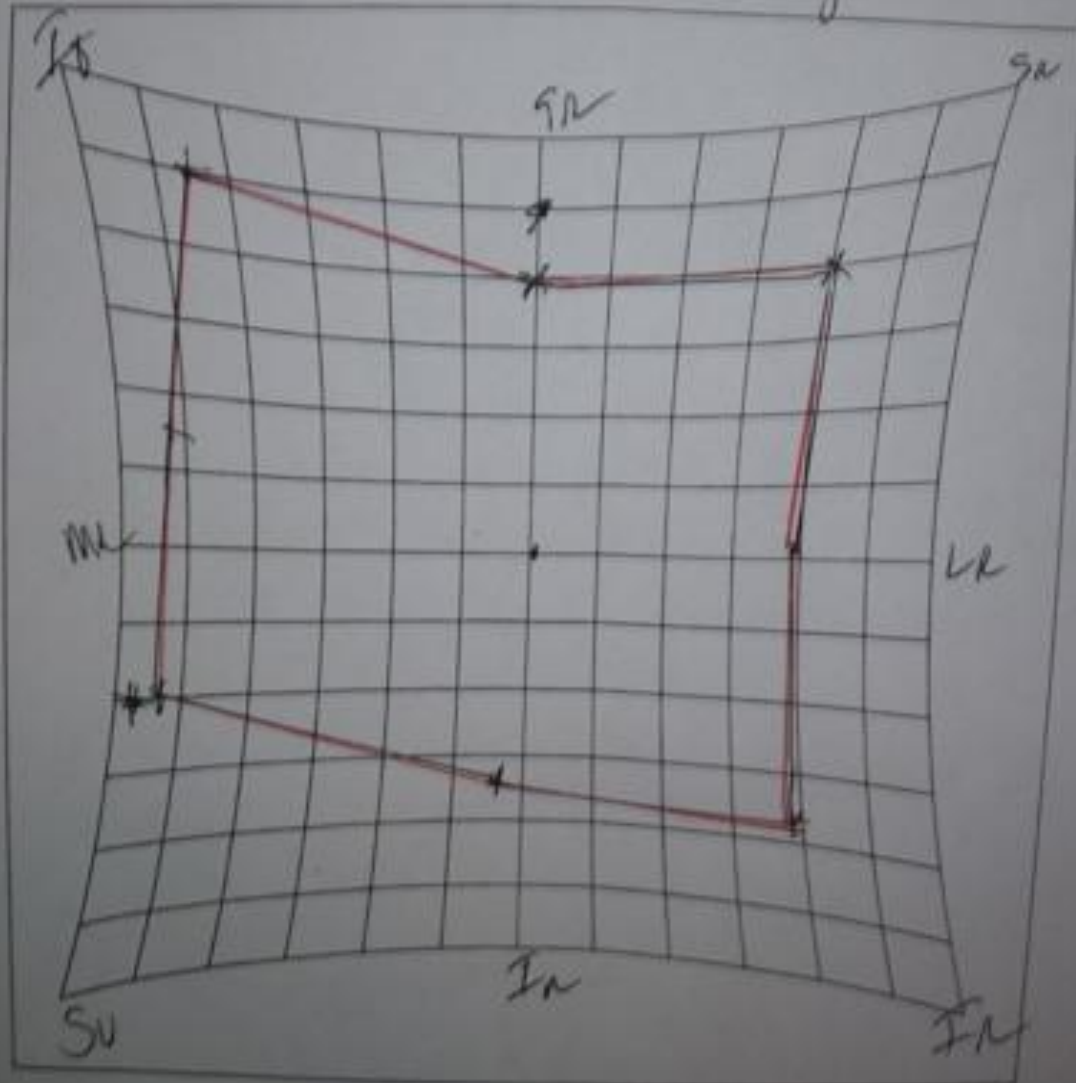
- Heart Math shows which branch of ANS predominates
- Test subjects for dominance, prescribe ruby-yellow green for parasympathetic dominant, and indigo-blue/green for sympathetic dominant
- All subjects shifted dominance toward balance but not always with predicted colors of traditional model.

Focal Syntonics

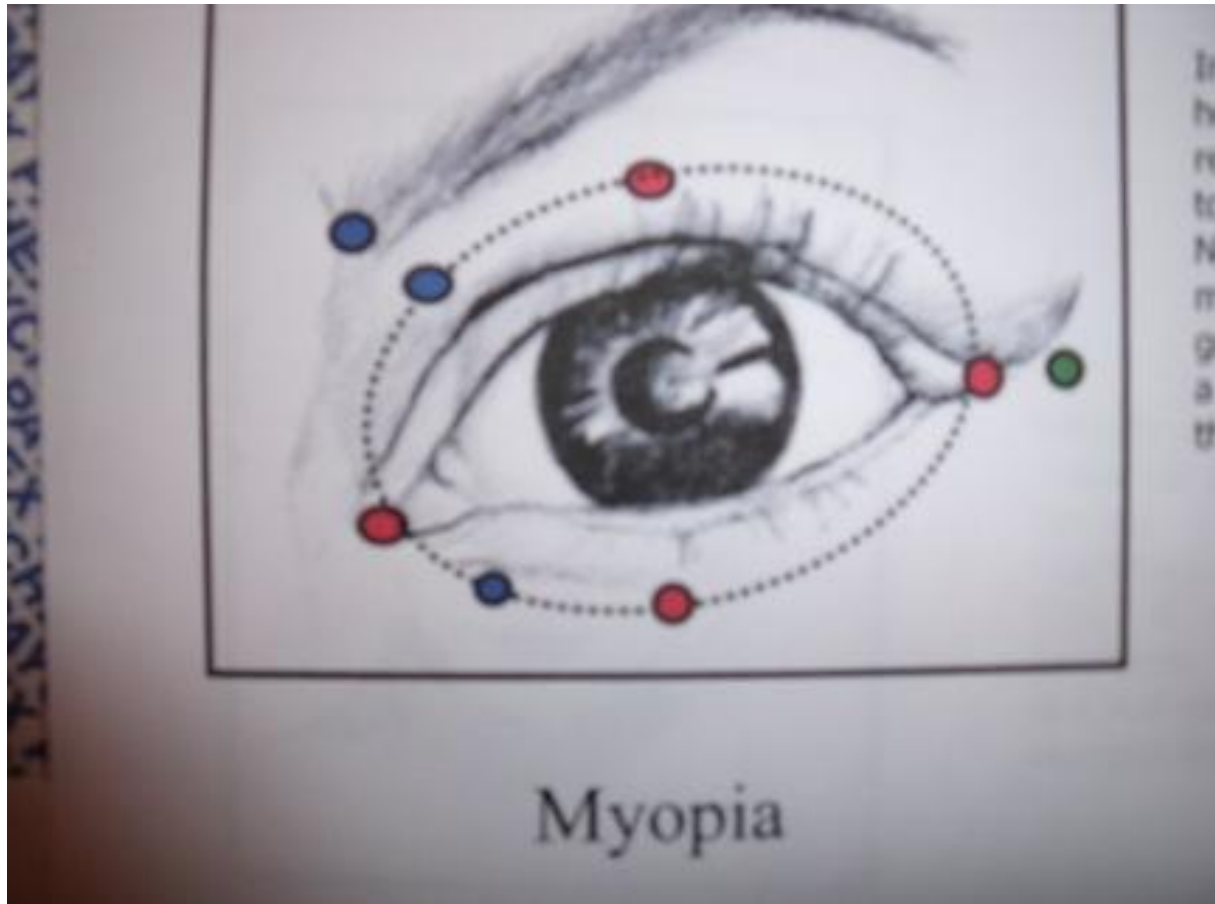
- Application of Syntonic colors at the insertion point in each extra-ocular muscle and to influence each cranial nerve.
- This also results in shifting the cranial bones, dura matter from the occipital bones to the base of the spine.
- Postural shifts and restoration on balance is frequently seen

Test Administrator: _____

Field vs
Jura von 18



Common Points for 30 seconds



Right SO and Left SR



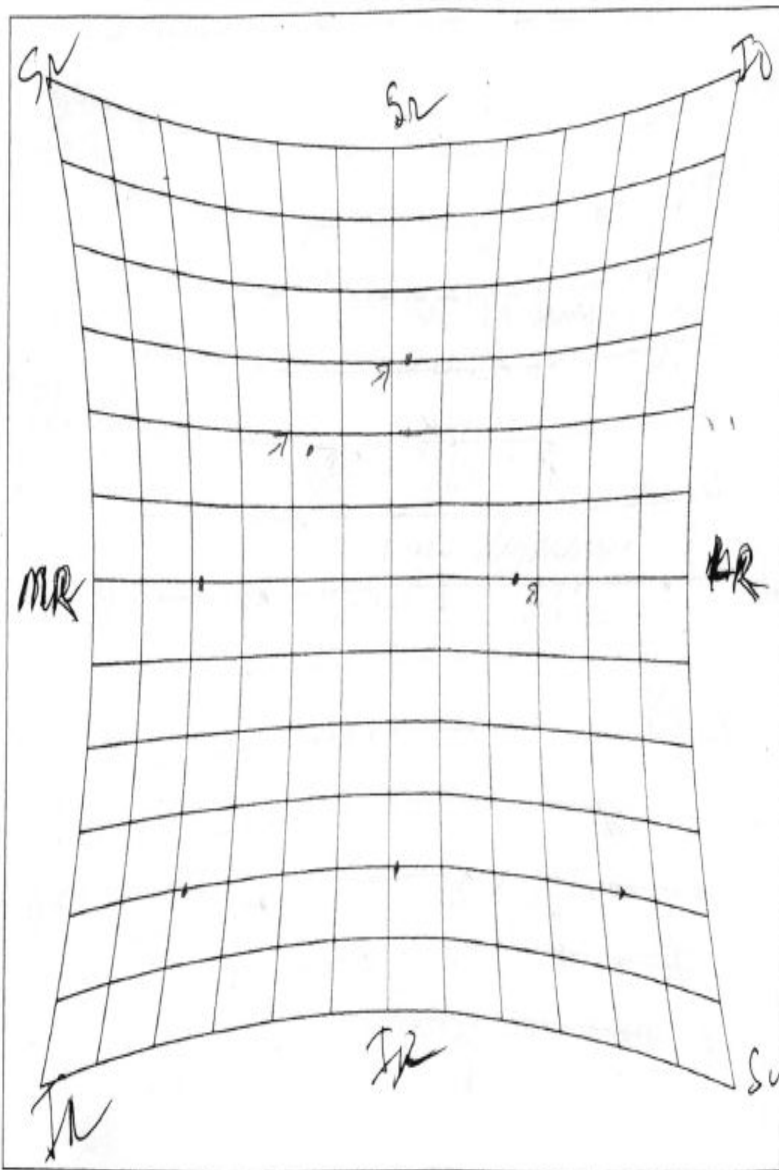
Hess Screen Score Sheet

Patient Name: [REDACTED] Genevieve

Date: 3/16/17

Test Administrator: _____

Field of
(green os)



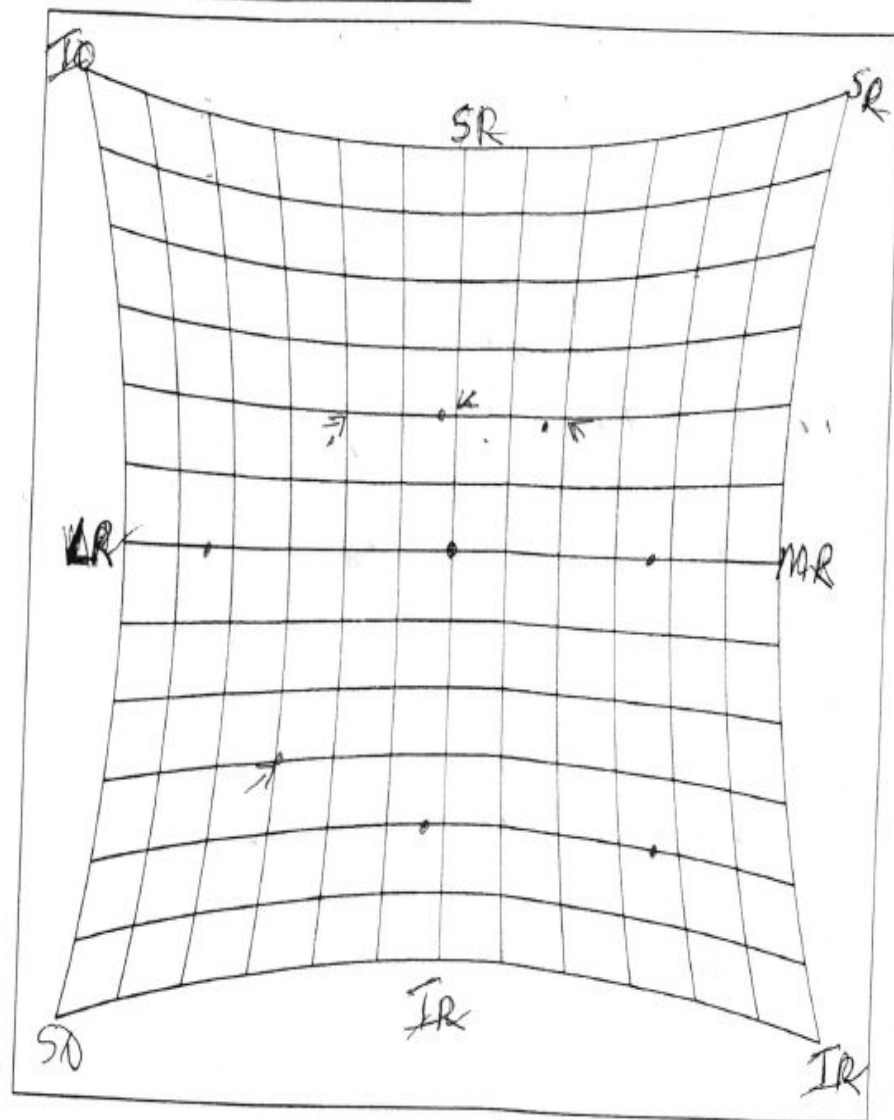
Hess Screen Score Sheet

Patient Name: [REDACTED] Genevieve

Date: _____

Test Administrator: _____

Field of os
(green os)



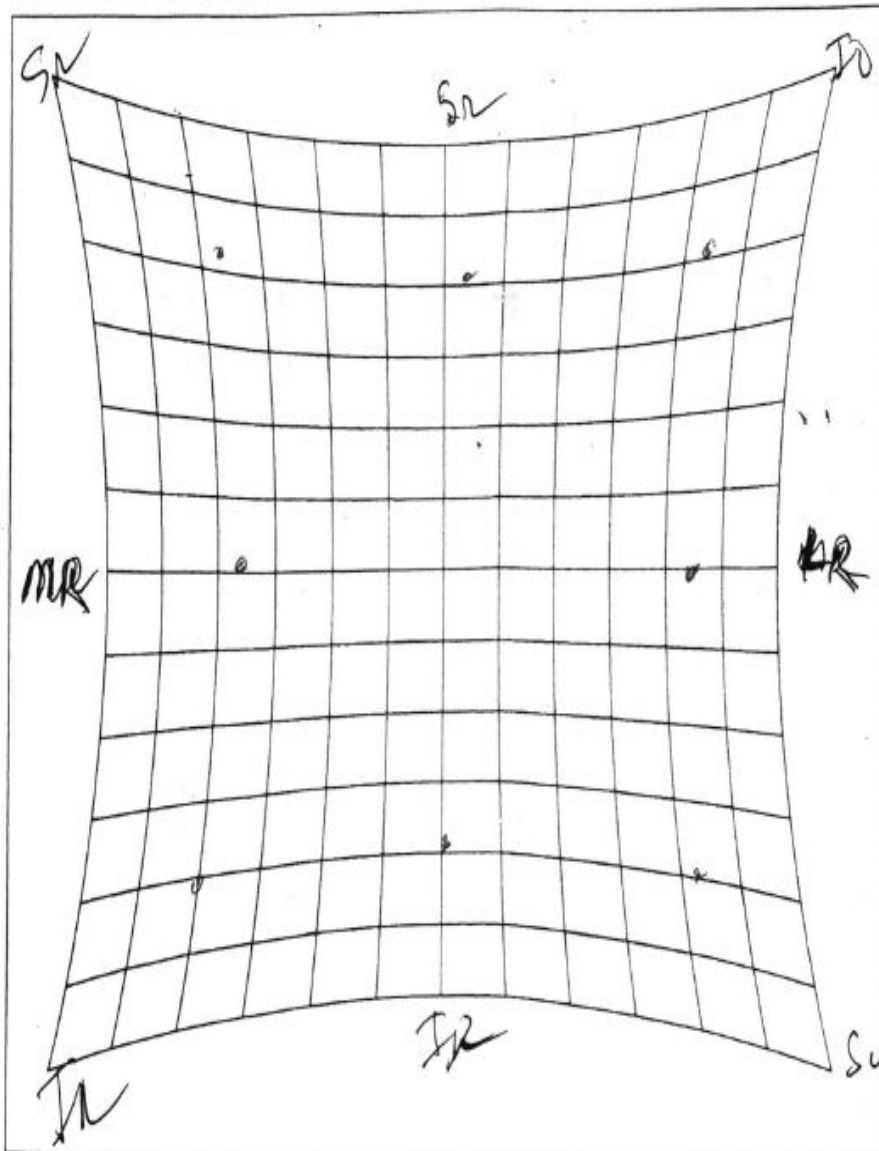
Hess Screen Score Sheet

Patient Name: Genesive

Date: 5/9/17

Test Administrator: _____

field of
(green os)



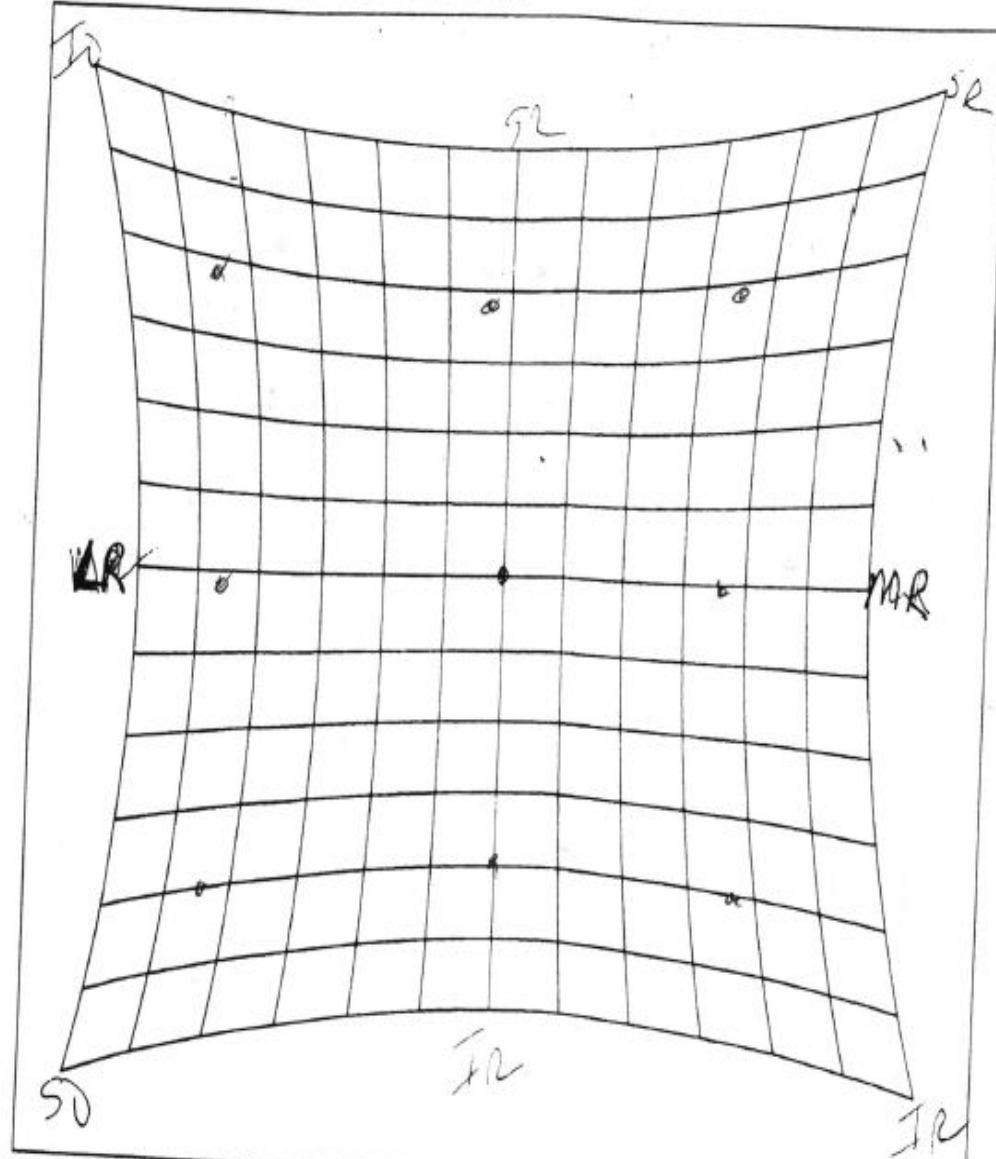
Hess Screen Score Sheet

Patient Name: Genesive

Date: 5/9/17

Test Administrator: _____

Field of os
(green os)



Results

- Changes in phorias and range of movement in the EOM's
- Alteration of balance and posture
- Changes in binocular ranges of motion and fusion
- Visual Field expansions with decreased blind spots related to Dural torque
- Changes in the cranial bones including jaw and alignment of teeth

Delta Laser: Coherent Multi-Radiance Life Technology & LLLT Photon Stimulator

Larry B. Wallace, O.D. ,Ph.D.

NORA 2016

Multi-Radiance Application

- Medical TX Head



Treatment : coMra Therapy

- Delta laser
- Geometric presentation of red-yellow , violet/
blue –green LED's
- Pulsed Infra-red
- Magnetic Fields
- Ultra-sound

Delta Laser

- Optic neuropathy protocol 5 minutes each eye
- Application on Delta 5 minutes on the tumor site at 50Hz. (no ultra-sound)
- 6 Sessions: esotropia reduced from 40D to 9 at far and 14 at near with diplopia only interemattent
- 6 sessions esotropia gone verticle greatly reduced , Tx DC

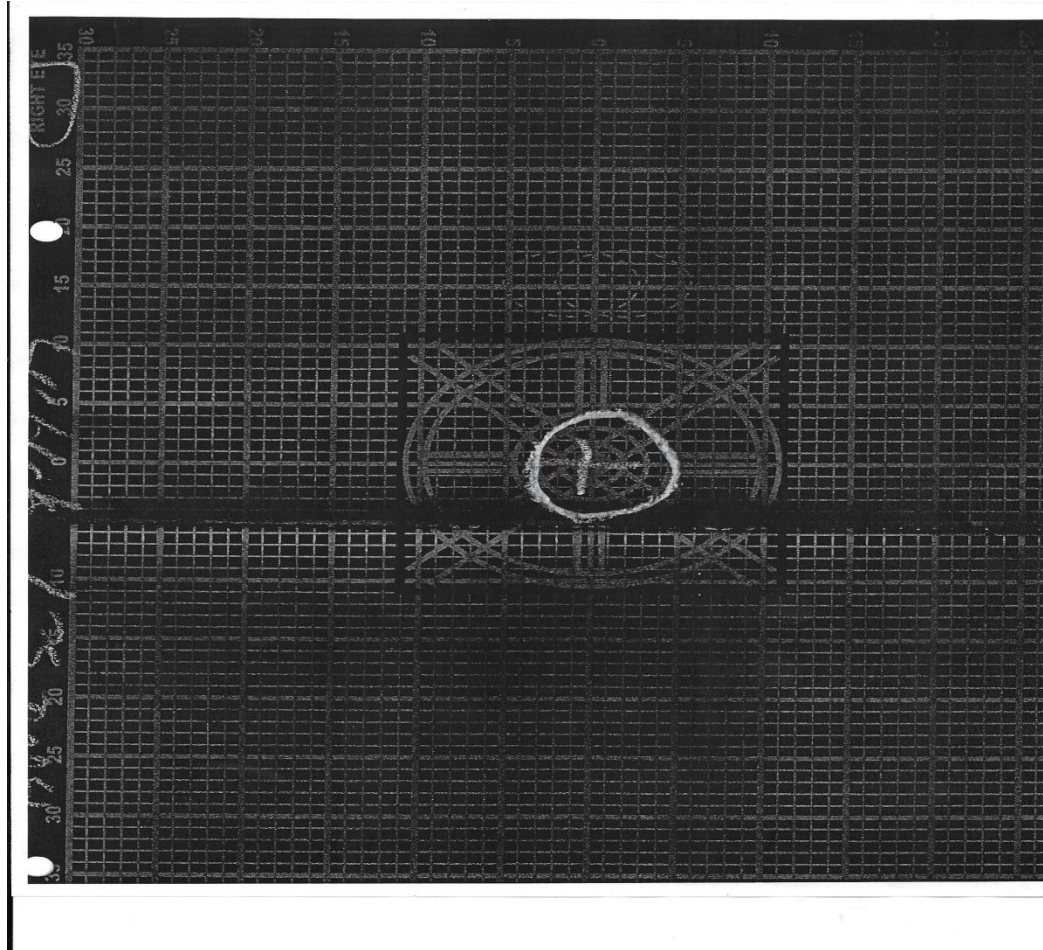
Nerve palsy Following a Stroke

- 6 sessions of Delta at the hemorrhage site of a 62 year old male following a heart attack and cerebral bleed
- 24 diopters right eso-tropia with diplopia was fused and eso reduced to 4 diopters
- This too followed 3 months of steroids and patching by ophthalmology with no change

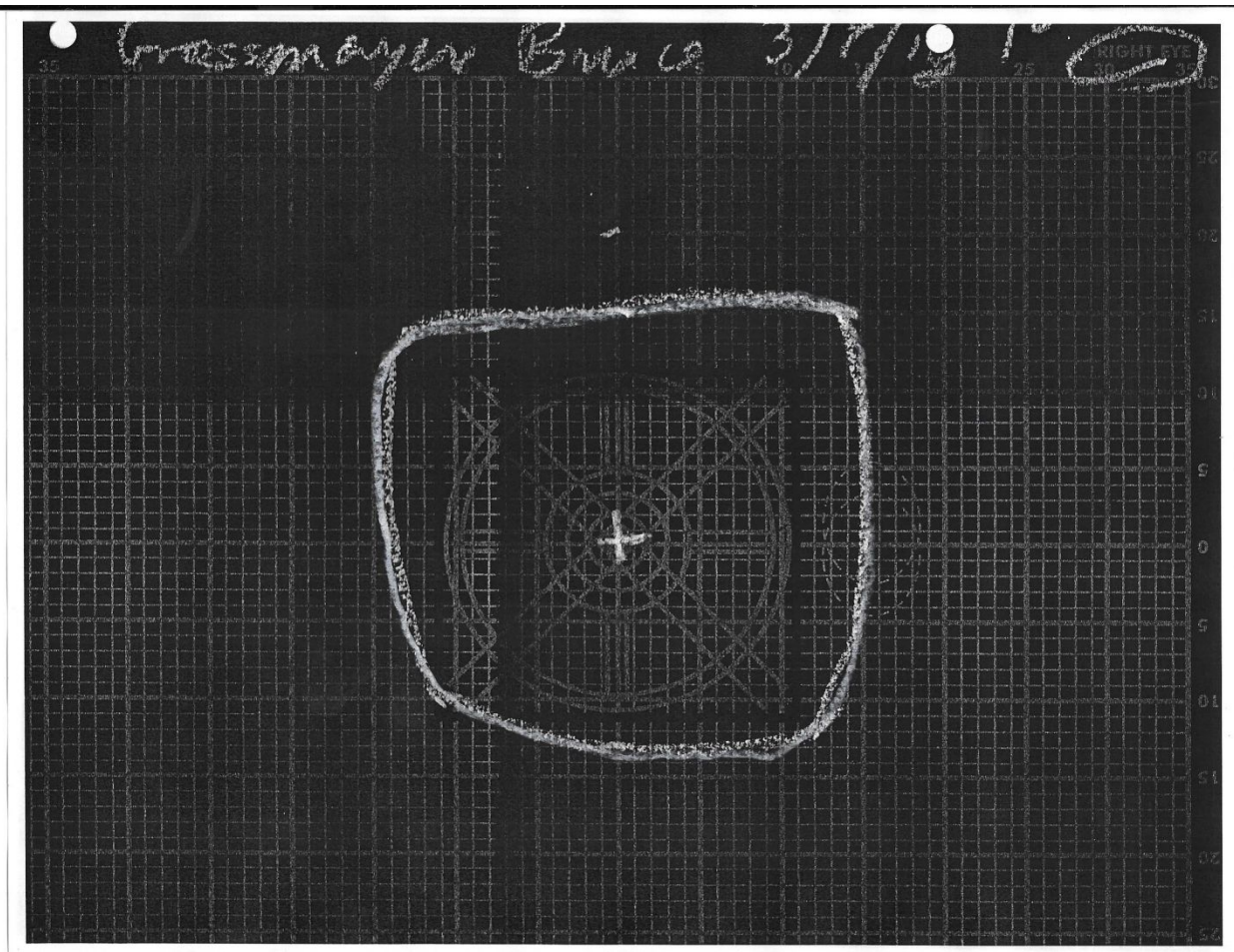
Delta Laser and Parkinson's

- Delta laser by Multi-Radiance Life Technologies
- CoMra: coherent radiance: patterns of red-green, yellow-blue , infrared light (905 nm) , magnetic fields and ultrasound
- Added to therapy of VT, Syntonics , balance therapy with continual field loss.

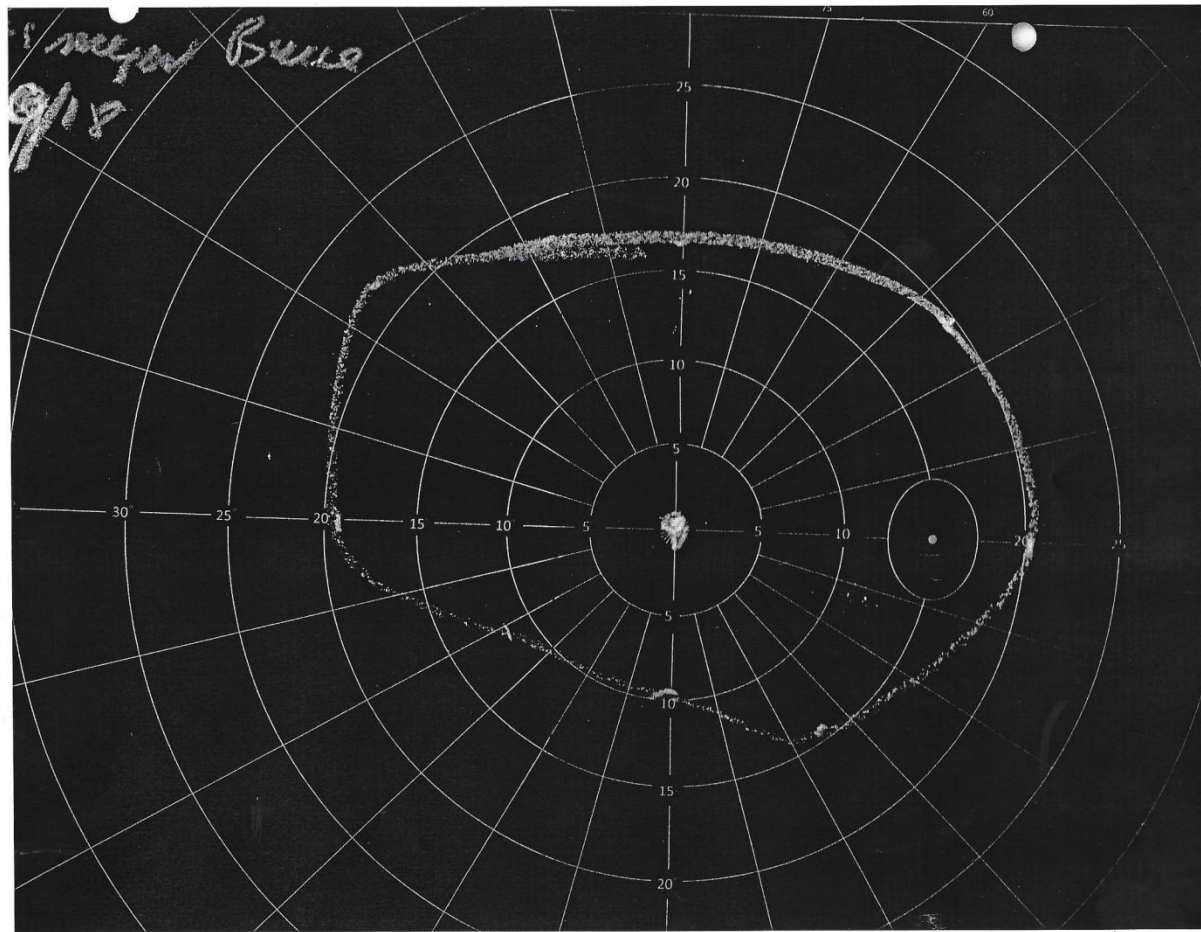
Initial Field



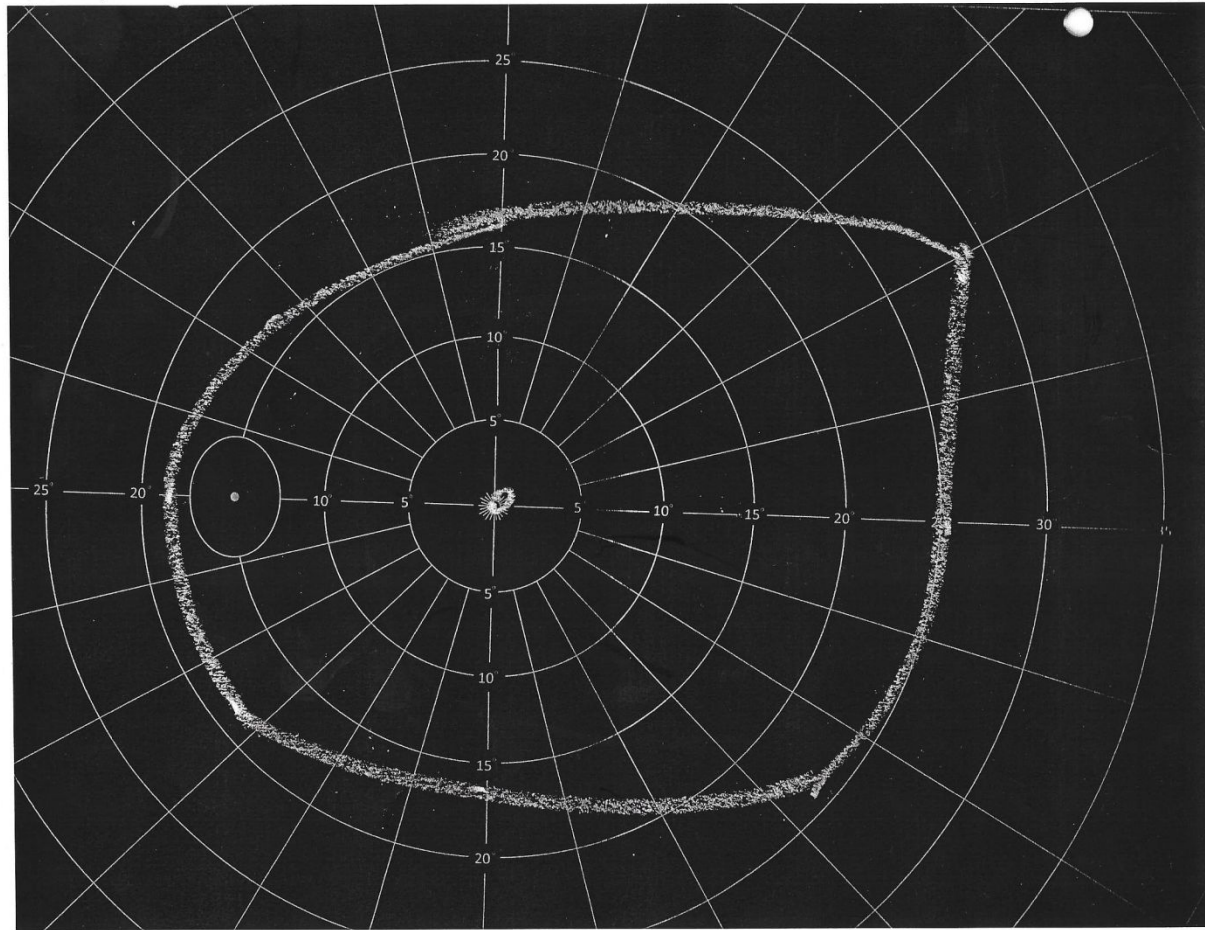
After Delta Laser



May 2018



OS May 2018



Binocular Status: Parkinson's

- History of chronic CI , exo12-16 , BO: 4/-16 poor contrast, best VA 20/50 OU far 2.5M near could not read due to blur and diplopia as of 3/18
- As of 5/9/18 , no diplopia , now 5 exo, BO 20/2, near acuity 1M increase contrast VA.
- Looking forward to book sale , can now read with clarity and comfort.

Mico-current Therapy

- Customary Tx for AMD, RP, Glaucoma
- Use to supply energy for depleted sensory-motor systems
- 200 micro-amps of direct current on the eye with frequencies of 292 Hz for 60 seconds, 30 Hz for 120 seconds, 9.1 Hz for 180 seconds, 3 Hz for 360 seconds

Typical Case

- Severe TBI, age 70 , treated with Syntonics for 4 months weekly initially
pi-omega/mu-epsilon eventually
delta-omega/mu-delta with basic VT, dynamic
and fusion with chronic CI and reading
problems
- Initial headaches gone balance better but
Keystone skills exo, Vo Star poor, Fields WNL

Findings

- Distance 3 eso , BI 6/0 , BO 12/0 ,near 10 exo , BO 18/0, BI 18/12 no vertical, All recoveries are low
- 12 visits of therapy with Micro, : Distance 1 eso BI 9/1 Bo 24/6, near 6 exo with BO 26/16, BI 18/12
- Reports can read now as much as she wants with endurance retried
- MCT might increase increase brain and visual energy

Red to Infrared Light

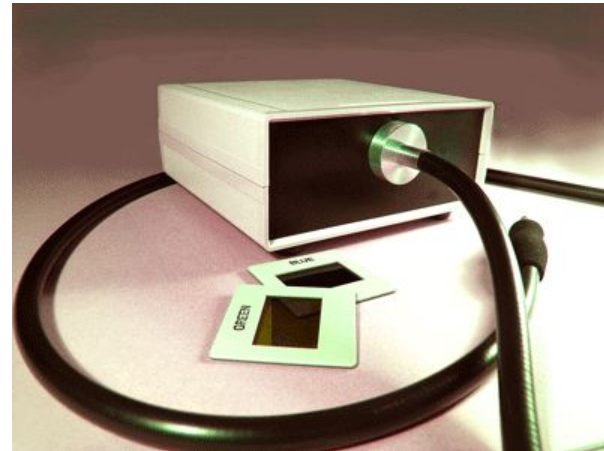
- Local acceptors: Rhodopsin, Myoglobin, Cytochromes, Melanin, Hemoglobin , Mitochondria
- Effects: increase ATP, membrane permeability, neurotransmitters, nerve cell potential, axonal transport.
- Multiple treatments per day

LLLT vs Syntonics

- Syntonics used more non-local than local
- LLLT more local: light and bio-modulation applied to cells and tissue
- Syntonics broad color frequencies and color combinations
- LLLT : lasers, LED's and monochromatic light typically 600 to 1200nm.

Photon Stimulator

- This model is designed to allow you to apply light to acupuncture points, and micro systems.



Macular Degeneration

- Ivancic treatment protocol : red 40 seconds trans-illuminated macula from temporal conjunctiva
- Wallace found acuity immediately improved from 1 to 4 lines of acuity in 6 patients
- For example: 20/800 to 20/200, 20/100 to 20/60. These improvements have lasted up to one month when treatment has been repeated. Currently holding for 4 months.

Dry Eyes

- Irradiation along lid margins for 40 seconds to reduce inflammation of MOG
- All patients report subjective improvement in comfort
- Tear breakup time increases up to 50%
- MOG expression immediately increased
- Long term relief has now been repeated now for 4 months with increasing efficacy.

Dry Eyes and the Superior Colliculus

- **V cranial nerve - trigeminal pathway**
- The trigeminal nerve, V cranial nerve, is a mixed nerve that contains both sensory and motor axons and exits from the brainstem through two roots.
- The **motor division** innervates the muscles of mastication and some muscles of the palate, the inner ear and the upper part of the neck.
- **Sensitive division** instead come from trigeminal ganglion neurons, located at the level of the cranial floor at the middle cranial fossa. From this ganglion originate three branches:
- The **ophthalmic branch** which innervates the orbital structures, the nose and forehead, the meninges and the blood vessels of the anterior and middle cranial fossae.
- The **maxillary branch** innervates the skin above the cheeks and the upper part of the oral cavity.

Rival to the Thalamus

- [Trigeminal nerve has relationships with the different systems:
- Reticular activator system (the system that helps us to react to an aggression) RAS
- Limbic system
- Postural system
- Neck muscles, MLF
- Spinal cord, VSR
- Oculomotion or occlusion

Gyroscope

- [Sensory signals of somatosensory, vestibular and visual nature contribute to the postural control of balance and orientation with different degrees of influence depending on the surrounding environment. Many areas of the central nervous system (including the superior colliculus) integrate sensory afferent signals and elaborate bodily orientation patterns, the movement and the surrounding environment that are used for the processing of appropriate postural adjustments (for the maintenance of equilibrium). The postural system has a great capacity of adaptation, both in the short term, to optimally adapt postural behavior to continuous environmental changes, and in the long term, to make compatible the body variations produced by the growth and aging processes and by pathological events

Access to Superior Colliculus

- Focal Syntonic treatment : blue light on the upper lids
- Global Syntonic treatment
- SLX prisms

Sound Therapy

- Use of tuning forks to augment Syntonic Phototherapy
- 1. Auditory nerve pathways
- 2. Use of tuning forks related to light frequencies
- 3. Treatment protocols: Dr Jerry Wintrob
- 4 Human Tuning – Sound Healing with Tuning Forks
- Books by John Beaulieu and Pamela Kersage