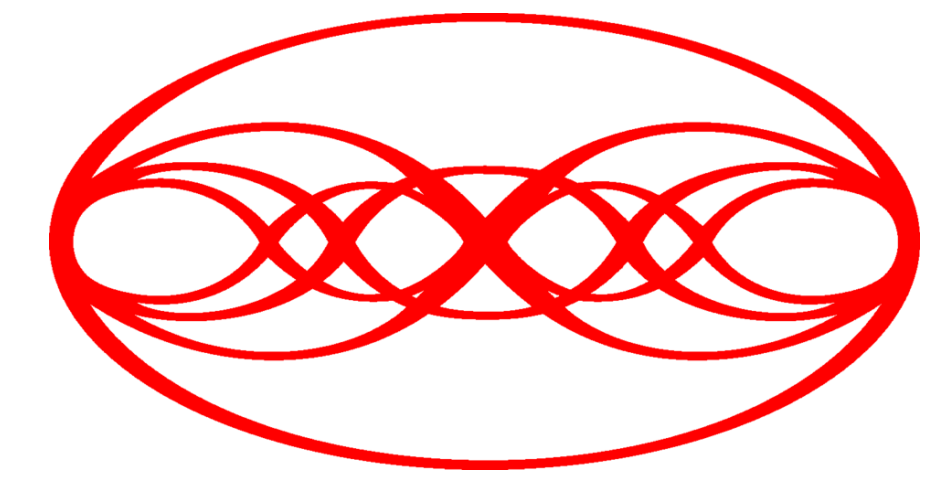
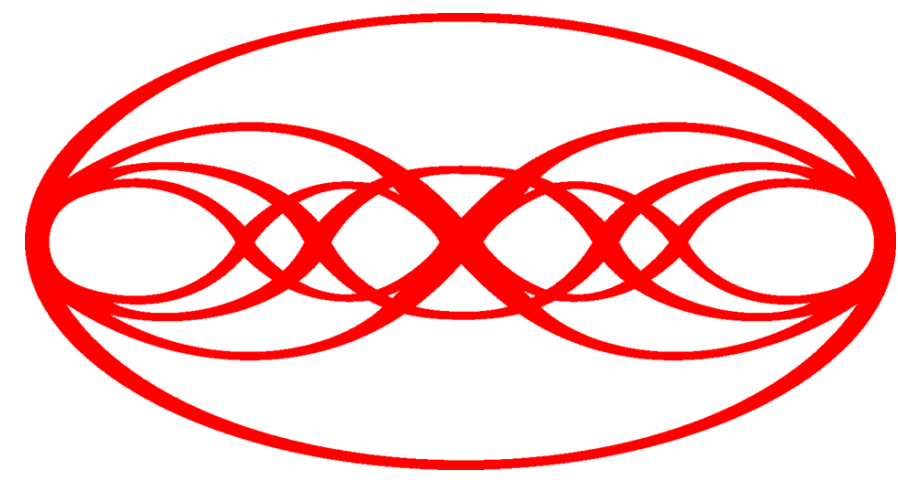


# Systemic Sclerosis — A polysegmental Reflex Dystrophy Treated by Matrix Rhythm Therapy. Case Report Seven Years After Diagnosis

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## Introduction:

The female patient, born 1970 was suffering from sporadically Raynaud Phenomenon (RP) of both hands and feet since 2003. 2010 these symptoms increased. RP was triggered from stress and ambient temperature below 22°C. Fingers became swollen additionally.

2012 this formerly sporty patient became more and more exhausted gained weight more than 10 kg in a short time because of physical inactivity. Back pain began and the whole thorax lost flexibility and elasticity as well.

2013 she consulted specialists at different clinics diagnosed in unison limited Systemic Sclerosis (ISSc) with beginning osteopenia and already affected esophagus.

## Standard Treatment until 2014:

She had regular infusions with Ilomedin. After the third cycle Ilomedin was stopped in 2013 and therapy switched to 5mg Tadalafil orally per day until end of 2014. As symptoms did not change under this therapeutic regimen she was still searching on for other treatment options.

## Findings and Diagnosis 2013:

1. ANA-Titer 1:10.000; ACA positive, Nucleons negative, chromosomes positive.
2. Raynaud Phenomenon
3. Capillaroscopy: scleroderma active pattern, typical megacapillaries
4. Puffy hands
5. Pain and decreased ROM in the metacarpale joints
6. Problems when swallowing
7. Esophagus passage delayed overall, retention of the test dish in the upper and middle third of esophagus (medium grade restriction of contractility)
8. Elevated calprotectin concentration in stool samples 112,1 µ/g (<50 µg)



Fig. 1: Capillaroscopy 2014-01-31 (dig IV right hand): scleroderma active pattern. Typical megacapillaries (x200)



Fig. 2,3,4: 2012 the fingers showed Raynaud Phenomenon at ambient temperature below 22°C. The finger nail (Dig. III left hand) presented with splinter hemorrhage.

## Prognosis:

The short and long term prognoses she was given by her doctors in those days were hard to accept.

1. During wintertime she need regular infusion of Ilomedin
2. The rest of the year she is obliged to take Tadalafil
3. Parallel she should take Bosentan
4. The worst recommendation was the to quit her job and to move into warmer countries. Etc.

## New treatment concept after changing the view

Anamnestic we got the information that our patient was claiming stress and emotional strain a long time. From a certain age on she got immediate symptoms when her sympathetic system was even triggered unspecifically. So it was clear, that Matrix Rhythm Therapy could help.

## Matrix Rhythm Therapy

Matrix Rhythm Therapy is a medical treatment based on the so-called entrainment effect in living systems and is focusing the "logistics" around the cells and reduces the sympathetic load on one's body as well.

The term "entrainment" refers to the way processes in cells, organs and entire organisms can be synchronized by externally-applied rhythmical action.

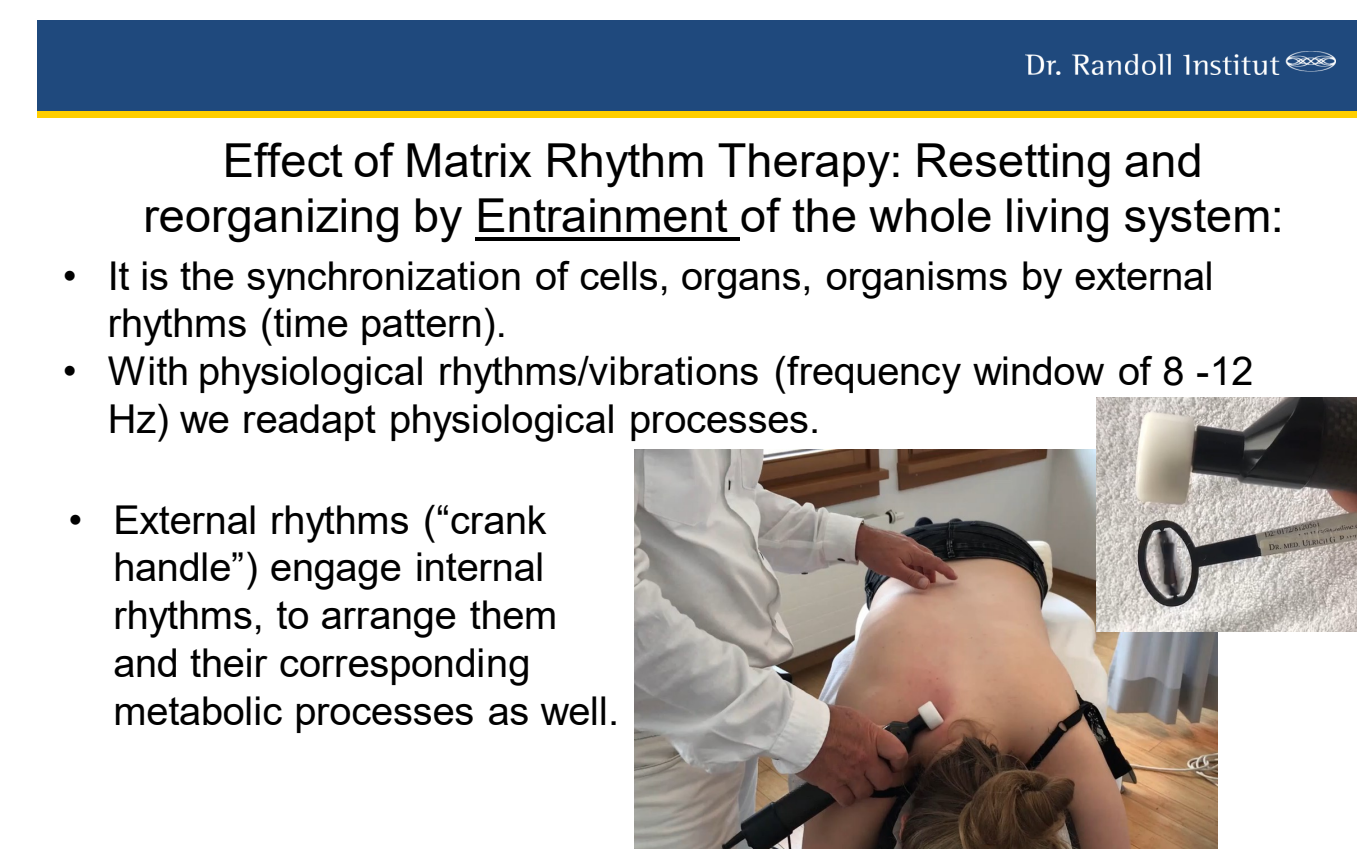


Fig. 5: The physiological effects of Matrix Rhythm Therapy

Matrix Rhythm Therapy exploits the natural rhythms of the musculature and nervous system in order to restore the coherence of derailed body processes. The therapy utilizes a special device, the Matrixmobil, which gently stimulates the body's endogenous vibrations by means of rhythmical mechanical and magnetic action in the physiological frequency range of 8-12 Hz (Alpha Synchronizer).

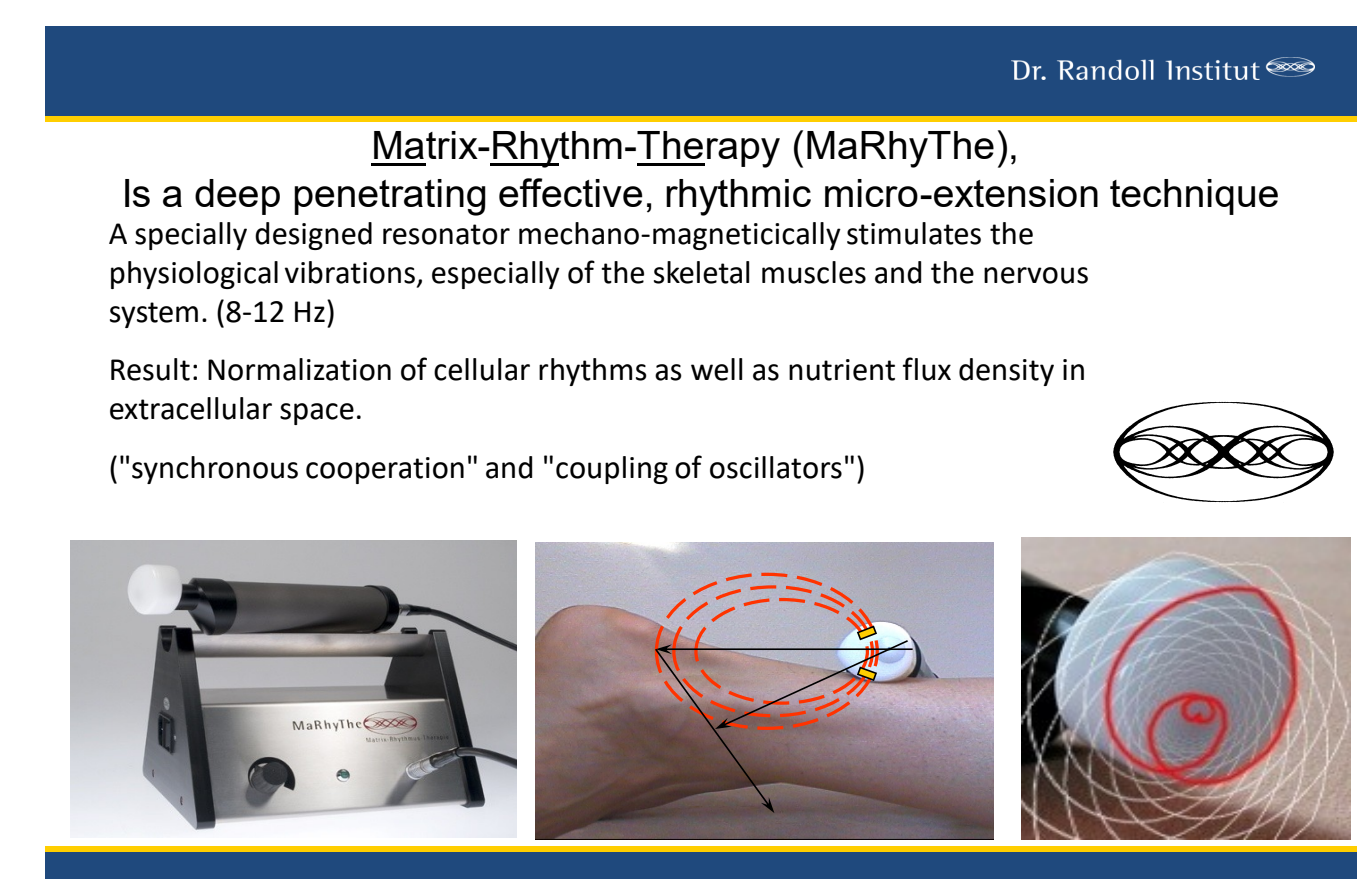


Fig. 6: The Matrixmobil and its treatment effects

This coincides with the natural frequency range of the microvibrations of our skeletal musculature. By activating especially the skeletal musculature in the rhythmic frequency range 8-12 Hz, the logistics of supply and drainage of tissue improves metabolic conditions in and around the cells are normalizing.

In this case Matrix Rhythm Therapy, targeting stress and emotional strain as the chief causes of systemic sclerosis helped.

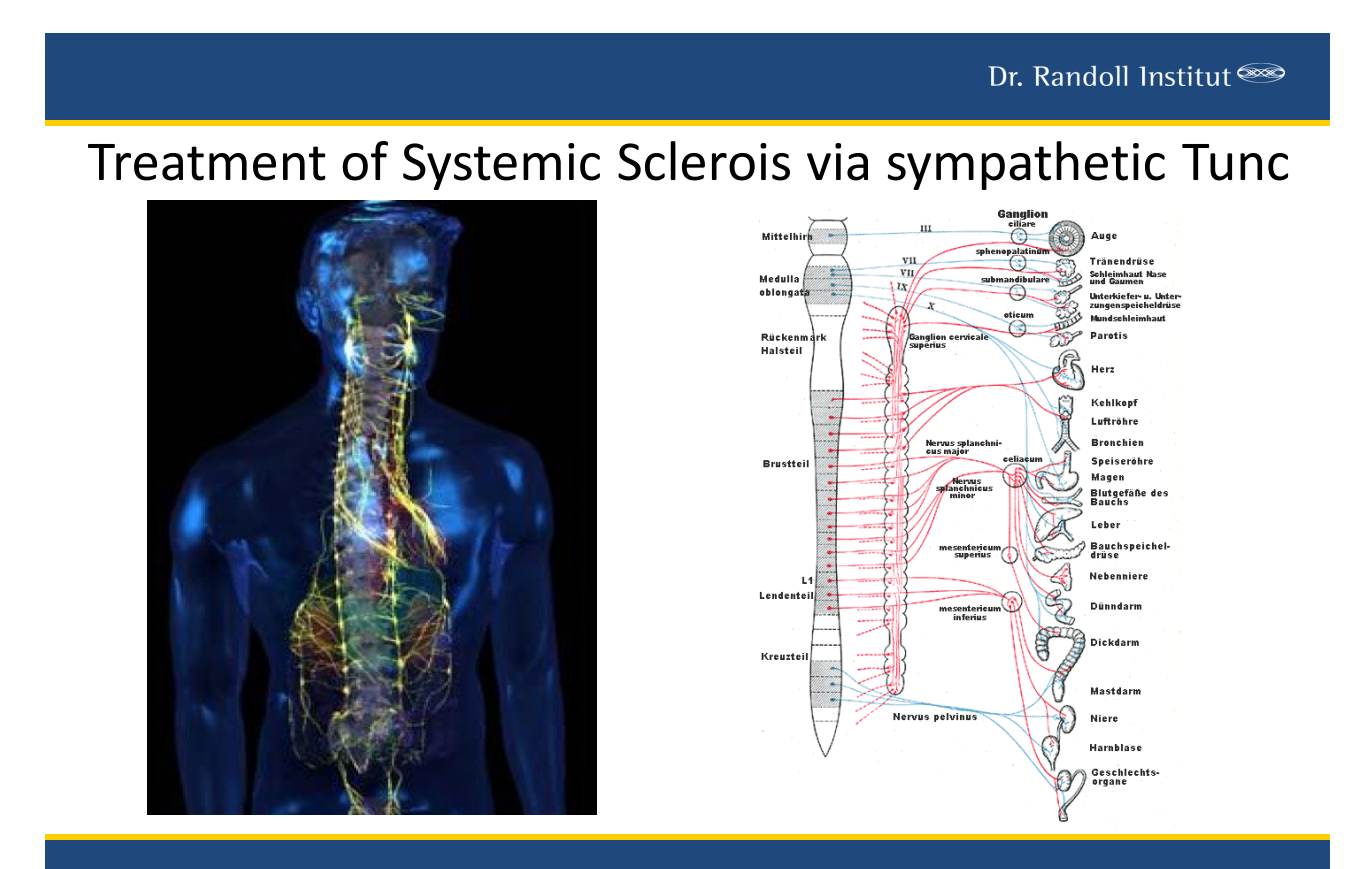


Fig. 7: Treating the paravertebral spine deeply in the resonance frequency of 8-12 Hz normalizes the sympatho-vagal balance of body and mind.

## Result

It was the year 2014 when for the first time she got a whole body Matrix Rhythm Therapy especially along her sympathetic trunk. Immediate results were seen. So we stopped all remedies!

Sleep quality increased; she developed a temperature resistance so that RP disappeared more and more. Life quality came back. Since that time she gets regularly Matrix Rhythm Therapy and whole body lymph drainage once a week, stress management beside physical activity / work out in aerobic condition. As supplements she takes linseed oil, Curcuma and ReGenery — kind of flavor extract — to stabilize her microbiom for strengthening the immune system.

## Findings and Diagnosis 2020

1. ANA-Titer below 1:3.200, ACA positive, Nucleons negative, chromosomes positive
2. No Raynaud-Phenomenon any more
3. Capillaroscopy: No active pattern, no megacapillaries
4. No puffy hands
5. No pain and decreased ROM in the metacarpale joints
6. No problems when swallowing
7. Esophagus passage without any symptoms
8. Calprotectin concentration in stool samples 36 µ/g (<50 µ/g)

## Conclusion and prognosis

Since 2015 till today the patient is nearly free of symptoms and free of any medication. She is still working full time even using her fingers 8 hours a day.



Fig. 8: Capillaroscopy 2019-10-11 (dig IV right hand): capillary ectasies. No megacapillaries (x200)

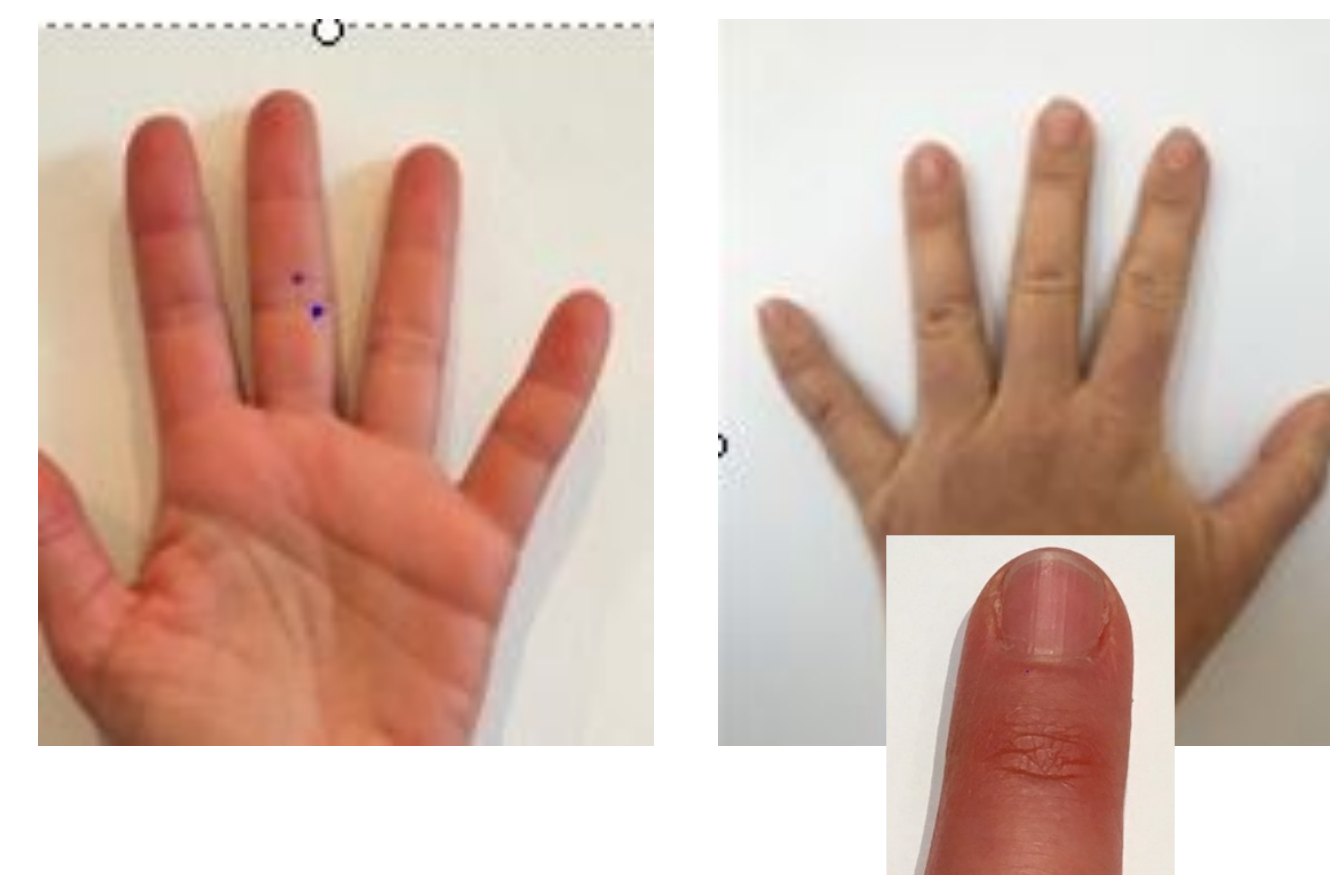
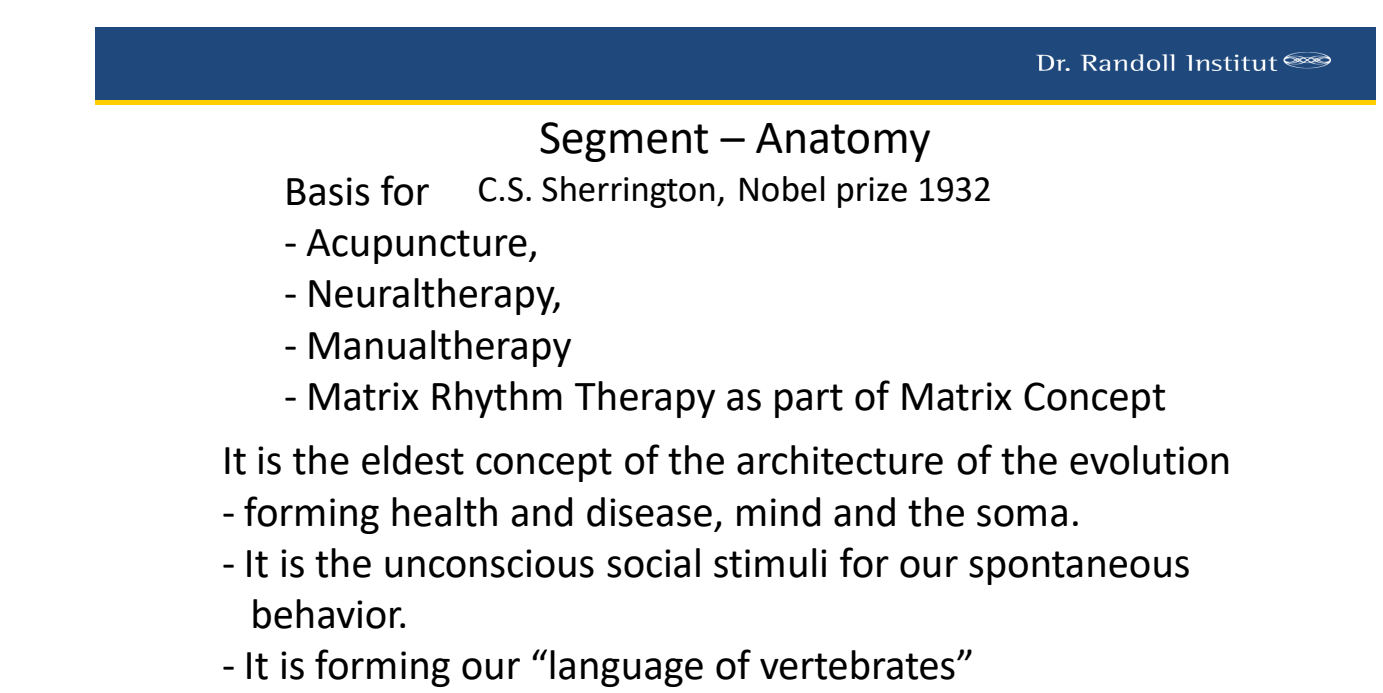


Fig. 9: 2019 the patient is free of symptoms. The fingernail (Dig. III) turned to normal. Without splinter hemorrhage

## Pathomechanism from point of Neural system

We hypothesize that according to the structural design of "Segment Anatomy" of the human body, the nerves of every organ interact with the "Neurotome". As a result of reflex dystrophies - similar in Sudeck Syndrome - silent inflammations of the interstitial tissue appear randomly in the irritated segments and cause successively individual fibrosis and later sclerosis in corresponding organs of Sclerotome, Myotome, Viscerotome, Dermatome. We call it "Polysegmental Reflexdystrophy".



It is the eldest concept of the architecture of the evolution forming health and disease, mind and the soma. It is the unconscious social stimuli for our spontaneous behavior. It is forming our "language of vertebrates".



## Segments, Metamers and Antimers for diagnostics

- Segments are parts of an organism with an outer envelope and inner organs.  
- Metamerie means one after another to construct the human body.  
- the number of segments is equal to the number of spinal nerves of an individual.  
- Antimerie means right and left side of the body acc. to left and right spinal nerve  
Segments and Metamers show the interaction between surface and inner body.



## N. Thoracicalis Th5

Th5 with parts of dermatome, myotome, sclerotome, enterotome and spinal nerve as an example of interactions and projections between body surface and inner body. (Hansen/Schlack)



## Result from such reflexes?

- all segments are in nervous activity state  
- the neurotome - as central one - is always activated  
- derailments from inner organs project on body surface (pain) as well as motoric or vegetative reflexes and produce symptoms  
The sympatho-vagale Balance shifts: and amplitude Stress level is rising!  
Which "drop" causes the barrel to overflow? → the sympathetic load increases → immunsystem is chronically activated and later blocked

## Discussion

The fact is that in modern society people fail to maintain a proper sympato-vagal balance in their lives. Frequently the need for rest and recovery periods is ignored, while at the same time emotional stresses continue to grow. "Emotion translates into motion": emotional stress leads invariably to muscle contractions, which persist as a kind of "memory". In the course of time muscle cells and the surrounding connective tissues lose their elasticity and ability to return to a completely relaxed state. They become hardened and stiff, giving rise to symptoms in the skeletal, locomotor and nervous systems. Lack of body movement leads to emotional sluggishness, and conversely; the sympathetic load increases, the trunc shifts out of balance and healthy processes become blocked.

Our case indicates stress symptoms already in a very early state.

In the effort to counteract such "degenerative and aging processes", systemic regenerative approaches are necessary: Emotional and physical blockages must be eliminated at the same time. Physician-patient dialog and Matrix Rhythm Therapy belong together, supplemented by music or other means to restore harmony in the physical and spiritual spheres. Healing of systemic sclerosis needs vagus!

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