

# Spinal Reflex Therapy & Spinal Reflex Analysis

## Research on Spondylogenic Reflex Syndromes

### Evidence Based

Originating from 85 years of research and over 21 years of clinical application, SRT Assessment and Treatment and SRA Diagnostics and Treatment procedures are predictable, dependable and reproducible as a stand alone system, or as an outcome multiplier in conjunction with conventional therapeutic procedures.

#### Kellgren, J. H. 1938-1939

1. Kellgren, J. H.: Observation of referred pain arising from muscles. *Clin Sci* 3:175, 1938.
2. Kellgren, J. H.: On the distribution of pain arising from deep somatic structures with charts of segmental pain areas. *Clin Sci* 4: 35, 1939  
*Comment:* Original studies injecting noxious compounds into clavicular and vertebral structures. Discovered sclerotomal pain.

#### Feinstein, B. 1954

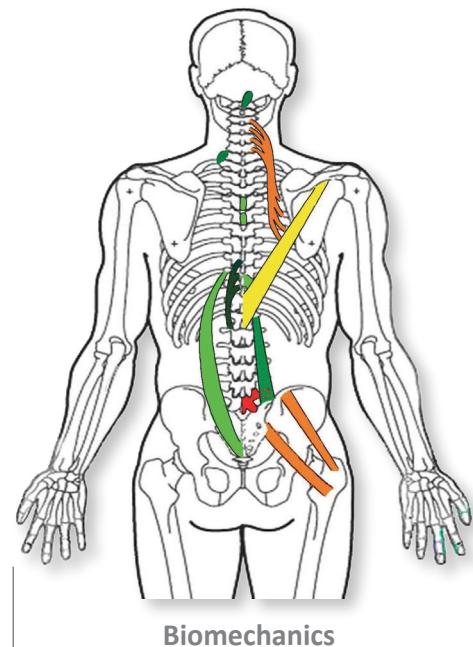
1. Feinstein, B., Langton, J. N. K., Jameson, R. M., Schitter, F. : Experiments on pain referred from deep somatic tissue, *J Bone Joint Surg* 36A: 981, 1954.

*Comment:* His work built on Kellgren's study using 75 students, mapping non-radicular pain patterns.

#### Wyke, B. 1967-1980

1. Wyke, B. D.: The neurological basis of thoracic spinal pain. *Rheum Phys. Med* 10: 356, 1967.
2. Wyke, B. D.: Morphological and functional features of the innervation of the costovertebral joints. *Folia Morphol* 23: 296, 1975
3. Wyke, B. D.: Clinical Significance of articular receptor system in the limbs and spine. *Proc. of the 5th Int. Congress of Manual Medicine, Copenhagen*, 1977.
4. Wyke, B. D.: Neurological mechanisms in the experience of pain. *Acupuncture and Electro-Ther res* 4: 27, 1979a.
5. Wyke, B. D.: Neurology of the cervical spinal joints. *Physiotherapy* 65:72, 1979b.
6. Wyke, B. D.: Perspectives in physiotherapy. *Physiotherapy* 32: 261, 1980.
7. Wyke, B. D., Polecek, P.: Structural and functional characteristics of the joint receptor apparatus. *Acta Chir Orthop Traum. Cech.* 40: 489, 1973
8. Wyke, B. D., Polecek, P.: Articular neurology – the present position. *J Bone Joint Surg* 57B: 401, 1975.

*Comment:* Discovered efferent component of reflexes. Used studies on cats to show clearly reflexogenic relationships between receptors in the joint capsule and peripheral musculature. His work is the primary resource in understanding nociception and innervation of vertebral zygapophysial structures and their relationship to non-radicular syndromes.



**“Predictable, dependable and reproducible outcomes are critical for an efficient and successful patient/client and provider experience.”**

### **Sutter, M 1974-1981**

1. Sutter, M.: Versuch einer Wesensbestimmung pseudoradikulärer Syndrome. Schweiz Rundsch Med Praxis 63: 842, 1974. Schweizerische Rundschau für Medizin Praxis M Sutter [An attempt to define radicular and pseudoradic lar syndromes (author's transl)] Schweiz Rundsch Med Prax, Jul 1974; 63(27): 842-5.
2. Sutter, M.: Wesen, Klinik und Bedeutung spondylogener reflex syndrome. Schweiz Rundsch Med Praxis 64: 42, 1975. M Sutter [Nature, clinic and significance of spondylogenetic reflex syndrome (author's transl)] Schweiz Rundsch Med Prax, Oct 1975; 64(42): 1351-7
3. Sutter, M.: Rückern, Kreuz- und Beinshmerzen bei funktionell instabilen Becken. Ther Umsch 34: 452, 1977. M Sutter [Backache and leg pains due to a functionally unstable pelvis (author's transl)] Ther Umsch 1977; 34 (6)
4. Sutter, M.: Fröhlich, R., Spondylogene Zusammenhänge im Bereiche der oberen Thorax-Apparatur. Report of the Annual Meeting of the Swiss Society for Manual Medicine, 1981.

*Comment:* Described the Spondylogenetic Reflex Syndrome (SRS). Correlated specific “soft tissue rheumatism” or reflexive muscle contractions per vertebral segment via palpation. Describes causative factor as unstable facet joint (he used the term “mispositioned”)

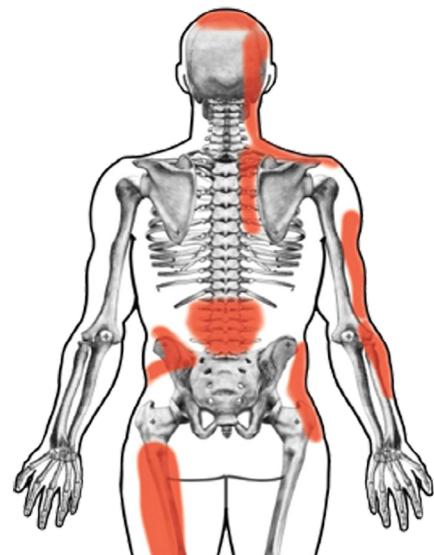
### **Dvorak, J., Dvorak, V., Drobny, T. 1984 - present**

1. Manual Medicine Diagnostics 1984 George Thieme, Vertag, Rudigerstrasse 14, D-7000 Stuttgart 30, West Germany

*Comment:* Referenced spondylogenetic reflex muscle activation per segment based on previous description. Referenced Wyke's work on neurology and nociceptors in the vertebra to validate clinically apparent ‘non-radicular pain patterns.

### **Jarrell, L 1993 - present**

*Comment:* Developed SRS based diagnostics and treatment protocols, researched symptom profiles and defined the progressive cascade of neuromusculoskeletal dysfunction and degeneration mediated by the spondylogenetic reflex syndrome. Developed SRA, SRT, 5MinuteBack Spinal Stabilization



Pain Mapping

**“Rooted in hard science, years of clinical application and one indisputable fact; a reflex is a reflex is a reflex.”**

**“The SRS is an unwavering neurological event across all populations.”**