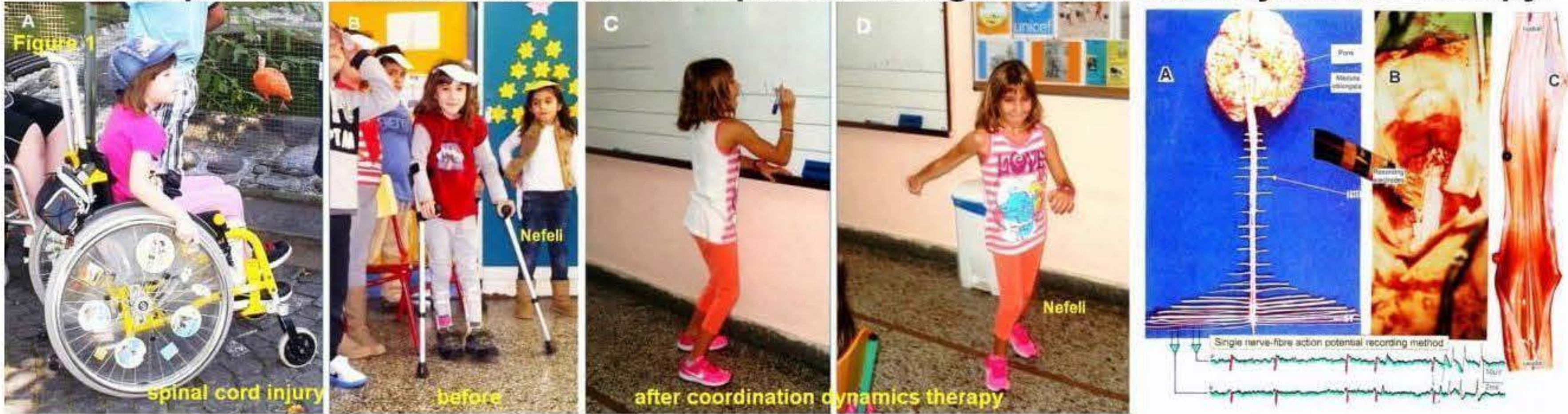


Continence repair through Coordination dynamics therapy 121

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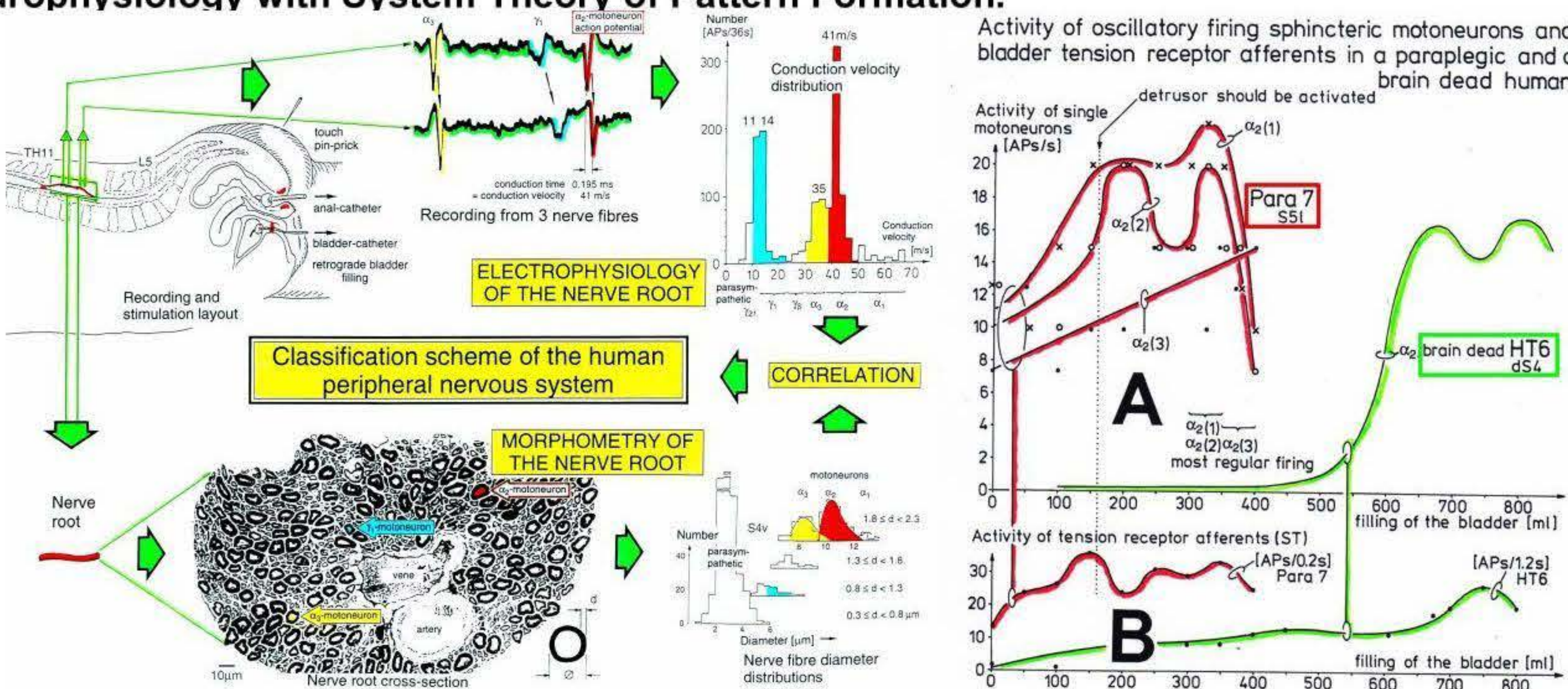
1. In 8 of 10 patients' continence could be repaired through Coordination dynamics therapy.



2. Movements performed were exercising on a special device, jumping and other movements.



3. Repair progress was achieved through human repair-neurophysiology: Recording of single-nerve fiber action potentials, classification of human nerve fibers, measuring functioning of sacral micturition center under physiologic and pathologic conditions, correlation of human neurophysiology with System Theory of Pattern Formation.



4. Cause of bladder dysfunction: 1. Neural network damage of sacral micturition center, especially the phase and frequency coordination. 2. Receptors of, by infections damaged, bladder wall fire already at an empty bladder.

5. Repair can be understood with System Theory of Pattern Formation: Movement Therapy changes attractor layout of pattern formation. Through repair of phase and frequency coordination of neuron firing, learning transfer form movements to continence functions becomes possible.

Development of attractor 'Urinary bladder function' upon Coordination dynamics therapy

