Theories of Neuroplasticity and Focal Dystonia Related to Spasmodic Dysphonia

John F. Houde, Ph.D.
Assistant Adjunct Professor
UCSF Dept. of Otolaryngology – Head and Neck Surgery

How is auditory feedback processed during speech production?
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How is somatosensory feedback processed in focal hand dystonia (FHd)?

Repetitive handle squeezing and handle vibration causes monkeys to develop symptoms of focal hand dystonia.

Enlargement of tactile receptive fields parallels the development of dystonia symptoms.
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How is sensory feedback processed in spasmodic dysphonia (SD)?

Sensorimotor training reduces dystonia and normalizes somatotopy of digits in sensorimotor cortex.

How is sensory feedback processed in spasmodic dysphonia (SD)?

- Reduced central inhibition of laryngeal responses to sensory input in SD


- Abnormal responses to auditory feedback perturbations?

The End
How is somatosensory feedback processed in focal hand dystonia (FHD)?