

- Malliani, A., Parks, M., **Tuckett, R.P.** and Brown, A.M. (1973) Reflex increases in heart rate elicited by stimulation of afferent cardiac sympathetic nerve fibers in the cat, *Circ Res*, 32: 9-14.
- Horch, K.W., **Tuckett, R.P.** and Burgess, P.R. (1977) A key to the classification of cutaneous mechanoreceptors, *J Invest Dermatol*, 69: 75-82.
- Tuckett, R.P.** (1978) Response of cutaneous hair and field mechanoreceptors in cat to paired mechanical stimuli, *J Neurophysiol*, 41 (1978) 150-156.
- Tuckett, R.P.**, Horch, K.W. and Burgess, P.R. (1978), Response of cutaneous hair and field mechanoreceptors in cat to threshold stimuli, *J Neurophysiol*, 41: 138-149.
- Tuckett, R.P.** (1982) Innervation patterns of cutaneous hair receptors in cat, *Brain Res*, 249: 255-263.
- Tuckett, R.P.** (1982) Itch evoked by electrical stimulation of the skin, *J Invest Dermatol*, 79: 368-373.
- Burgess, P.R., Horch, K.W. and **Tuckett, R.P.** (1983) Boring's formulation: a scheme for identifying functional neuron groups in a sensory system, *Fed Proc*, 42: 2521-2527.
- Burgess, P.R., Mei, J., **Tuckett, R.P.**, Horch, K.W., Ballinger, C.M. and Poulos, D.A. (1983) The neural signal for skin indentation depth. I. Changing indentations, *J Neurosci*, 3: 1572-1585.
- Mei J, **Tuckett R.P.**, Poulos DA, Horch KW, Wei JY, Burgess PR (1983) The neural signal for skin indentation depth. II. Steady indentations. *J Neurosci* 3: 2652-2659.
- Horch, K.W., **Tuckett, R.P.** and Burgess, P.R. (1984), Rapid displacements of the skin lack clear positional information, *Brain Res*, 309: 382-383.
- Tuckett, R.P.**, Denman, S.T., Chapman, C.R., Gilchrest, B.A., Kraning, K.K. and Sato, K. (1984), Pruritus, cutaneous pain, and eccrine gland and sweating disorders, *J Am Acad Dermatol*, 11: 1000-1006.
- Burgess, P.R., **Tuckett, R.P.** and Horch, K.W (1984) Topographic and non-topographic mapping of spatial sensory information. Predictions from Boring's formulation. *Comparative Physiology of Sensory Systems*, edited by L Bolis, RD Keynes and SHP Maddess. Cambridge: Cambridge Univ. Press.
- Poulos, D.A., Mei, J., Horch, K.W., **Tuckett, R.P.**, Wei, J.Y., Cornwall, M.C. and Burgess, P.R. (1984) The neural signal for the intensity of a tactile stimulus. *J. Neurosci.* 4: 2016-2024.
- Horch, K.W., **Tuckett, R.P.** and Burgess, R.P. (1984) Rapid displacements of the skin lack clear position information. *Brain Res*, 309: 382-383.
- Tuckett, R.P.** and Wei, J.Y (1987). Response to an itch-producing substance in cat. I. Cutaneous receptor populations with myelinated axons. *Brain Res.* 413: 87-94.
- Tuckett, R.P.** and Wei, J.Y. (1987) Response to an itch-producing substance in cat. II. Cutaneous receptor populations with unmyelinated axons. *Brain Res.* 413: 95-103.

- Wei, J.Y. and **Tuckett, R.P.** (1987) Slowly conducting unit action potentials recorded from spinal white matter. *Chinese J. Physiol. Sci.* 3(2): 166-171.
- Wei, J.Y. and **Tuckett, R.P.** (1991) Response of cat ventrolateral spinal axons to an itch-producing stimulus (cowhage), *Somatosens Mot Res*, 8: 227-239.
- Ward, R.S. and **Tuckett, R.P.** (1991) Quantitative threshold changes in cutaneous sensation of burn patients. *J. Burn Care & Rehab.* 12: 569-575.
- Wei, J.Y. and **Tuckett, R.P.** (1991) The classification of cat ventrolateral spinal axons. *Chinese J. Physiol. Sci.* 7(1): 1-17.
- English, K.B., Stayner, N., Krueger, G. and **Tuckett, R.P.** (1992) Tactile function in skin-equivalent grafts. *Exp. Neurol.* 115: 104-108.
- English, K.B., Stayner, N., Krueger, G.G. and **Tuckett, R.P.** (1992) Functional innervation of cultured skin grafts, *J Invest Dermatol*, 99: 120-128.
- English, K.B., Wang, Z.Z., Stayner, N., Stensaas, L.J., Martin, H. and **Tuckett, R.P.** (1992) Serotonin-like immunoreactivity in Merkel cells and their afferent neurons in touch domes from the hairy skin of rats. *Anat. Rec.* 232: 112-120.
- Gallar, J., Pozo, M.A., **Tuckett, R.P.** and Belmonte, C. (1993) Response of sensory units with unmyelinated fibres to mechanical, thermal and chemical stimulation of the cat's cornea. *J. Physiol.* 468: 609-622.
- Woodward, D.F., Nieves, A.L., Spada, C.S., Williams, L.S. and **Tuckett, R.P.** (1995) Characterization of a behavioral model for peripherally evoked itch suggests platelet-activating factor as a potent pruritogen, *J Pharmacol Exp Ther*, 272: 758-765.
- Ward, R., **Tuckett, R.**, English, K. and Johansson, O (1998) Cutaneous nerve distribution in adult rat hairy skin following thermal injury - an immunohistochemical study. *J. Burn Care & Rehab.* 19:10-17.
- He, L., **Tuckett, R.P.** and English, K.B. (1999) Chemosensitivity of the rat type I slowly adapting mechanoreceptor, *Biol Signals Recept*, 8: 382-389.
- Zhang, J., Huang, W., and **Tuckett, R.P.** (2002) C-Fiber Modulation of the Rat type I Slowly Adapting Mechanoreceptor, *Neuroscience.* 115:797-804.
- He, L., **Tuckett, R.P.** and English, K.B. (2003) 5-HT<sub>2</sub> and 3 receptor antagonists suppress the response of rat type I slowly adapting mechanoreceptor: an *in vitro* study, *Brain Res.* 969:230-236.
- Ward, R., **Tuckett, R.**, English, K., Johansson, O., and Saffle, J.R. (in press) Substance P axons and sensory threshold increase in burn-graft human skin, *J Surg Res.*
- Reese, S., Sesek, R.F., **Tuckett, R.P.**, and Bloswick, D.S. (in press) Measuring the effects of ergonomic risk factors on tactile sensation, *Regional NORA Proc.*

Sesek, R.F., **Tuckett, R.P.**, Bloswick, D.S., and Khalighi, M. (in press) Provocative wrist flexion as an improved method for carpal tunnel syndrome screening, Regional NORA Proc.

Sesek, R.F., Robert P. **Tuckett, R.P.**, Bloswick, D.S., Khalighi, M., and Anderson, M. (accepted with revisions). Effects of prolonged wrist flexion on transmission of sensory information in carpal tunnel syndrome. *J Hand Surg [Am]*.

#### Books, book chapters, videos, and computer software

Burgess, P.R., Horch, K.W. and **Tuckett, R.P.**, 1985-present (several editions). Mechanoreceptors. In: *Encyclopedia of Neuroscience*, Cambridge: Birkhauser Boston, Inc.

**Tuckett, R.P.**, 2001, Use of monofilaments to quantify sensory neuropathy of large-caliber neurons. Training video, VHS/DVD.

**Tuckett, R. P.** Neurophysiology and neuroanatomy of pruritus., 1994, In: *Itch Mechanisms and Management of Pruritus* J.D. Bernhard, ed. McGraw Hill, New York p. 1-22.

#### Abstracts

**Tuckett, R.P.** (1980) Response of cutaneous receptors to a pruritic stimulus. *Soc. Neurosci.*

**Tuckett, R.P.** (1981) Pruritus evoked by electrical, cutaneous stimulation. *Soc. Neurosci.*

Clegg, S. and **Tuckett, R.P.** (1984) Sensations evoked by cutaneous application of histamine, papain and hydrochloric acid. *Clinical Res.* 32: 567A

**Tuckett, R.P.** and Wei, J.Y. (1984) Effect of cowhage on cutaneous receptors with myelinated axons in cat. *Soc. Neurosci.* 10: 108.

Belmonte, C. and **Tuckett, R.P.** (1986) Functional properties of unmyelinated sensory neurons innervating the cornea. *ICER.*

Belmonte, C. and **Tuckett, R.P.** (1986) Response characteristics of A-delta and C-corneal sensory neurons to mechanical and thermal stimulation. *ARVO.*

Martin, H.A., Belmonte, C. and **Tuckett, R.P.** (1989) Response characteristics of corneal sensory neurons to pruritogenic stimuli. *ARVO.*

Martin, H.A. and **Tuckett, R.P.** (1989) Differential responsiveness of cutaneous A-delta and C-fiber mechanonociceptors to pruritogenic stimuli in rat and cat hairy skin. *Soc. Neurosci.*

Ward, R.S., Saffle, J.R. and **Tuckett, R.P.** (1989) Alteration of cutaneous sensation following burn injury. *Soc. Neurosci.*

- Tuckett, R.P.**, Wei, J.Y., Martin, H.A., Tsai, P. and English, K.B. (1989) A study of type I cutaneous mechanoreceptor responsiveness *in vitro*. Soc. Neurosci.
- Martin, H.A. and **Tuckett, R.P.** (1989) Differential response characteristics of cutaneous A $\delta$  and C fiber mechanonociceptors to pruritic stimuli. ISAP.
- Martin, H.A. and **Tuckett, R.P.** (1990) Chemosensitivity of corneal A $\delta$ - and C-fiber mechanonociceptors. World Congress on Pain. ISAP.
- Martin, H.A. and **Tuckett, R.P.** (1991) Different categories of chemosensitive nociceptors and their role in encoding pruritus or pain. American Pain Soc.
- Eugenin, J., Roberts, S., Carlyle, S., Rapp, K. and **Tuckett, R.P.** (1992) An *in vitro* assay for irritants, electrophysiological properties and chemical reactivity of trigeminal (Gasserian) neurons in tissue culture. Soc. Neurosci.
- He, L., Burgess, P.R., **Tuckett, R.P.** and English, K.B. (1992) Serotonin biphasically activates and then inhibits type I afferent units serving touch domes *in vitro*. Soc. Neurosci. 18: 830.
- Ward, R.S., **Tuckett, R.P.**, English, K.B. and Johansson, O. (1994) Regrowth of cutaneous nerves in adult rat skin following thermal injury. Proc. Amer. Burn Assoc. 26: 75.
- Ward, R.S., English, K.B., **Tuckett, R.P.** and Johansson, O. (1994) Regrowth of cutaneous nerves in adult rat skin following thermal injury. Proc. Amer. Burn Assoc. 26: 75.
- Ward, R.S., English, K.B., **Tuckett, R.P.** and Johansson, O. (1995) Cutaneous nerve regrowth and function in human split-thickness skin grafts. Proc. World Confed. Phys. Therapy 12.
- Ward, R.S., English, K.B., **Tuckett, R.P.**, Johansson, O. and Saffle, J.R. (1995) Cutaneous nerve regrowth in human skin grafts following thermal injury. Proc. Amer. Burn Assoc. 27: 61.
- Ward, R.S., English, K.B., **Tuckett, R.P.**, Johansson, O. and Saffle, J.R. (1995) A comparison of cutaneous nerve regeneration in four different types of skin grafts: A case study. Proc. Amer. Burn Assoc. 27: 274.