

CHESS Surgery System Clinical and Economic Highlights

The CHESS Surgery System enables end-to-end neuroorrhaphy of nerve gaps without a graft because modest separations between stumps can be overcome by dynamic tension.¹

The Canica PalmSpring retractor provides excellent visualization for release of trigger fingers and carpal tunnels with efficiency and safety.^{2,3}

Performing craniofacial or head and neck surgery, such as blepharoplasty, with enhanced control and without assistance is easily achieved by the adaptation of devices in the CHESS Surgery System.⁴

There are significant cost and time savings when hand procedures are undertaken in the emergency and outpatient clinic settings using the CHESS Surgery System.⁵

The published articles describe the variety of procedures that are facilitated by use of the CHESS system.

The **CHESS Surgery System** is an advancement that both facilitates unassisted surgeries in the emergency and outpatient clinic settings, and provides excellent visualization of surgical sites in the hand, head, and neck, directly resulting in significant cost savings in personnel as well as better visualization for procedures.

References and Details

1. [Peripheral nerve gap repair facilitated by a dynamic tension device. McDonald DS, Bell MSG. Canadian Journal of Plastic Surgery. 2010 Spring;18\(1\):e17.](#)

This paper describes a case study and technique of using the CHESS micro-hooks (Retractor, 1 prong sharp, short body, SCR1B) with the CHESS elastomer (CZE01) and Hand Surgery system to stretch a nerve, enabling primary end-to-end repair of nerve gaps.

2. [Trigger fingers: A checkmark incision. Bell MSG. Canadian Journal of Plastic Surgery. 2009 Autumn;17\(3\):e18.](#)

This surgical tip describes using a checkmark shaped incision for surgical release of trigger fingers facilitated by the CHESS PalmSpring Retractor.

3. [Carpal tunnel release in patients on coumadin. Bell MSG. Canadian Journal of Plastic Surgery. 2009 Spring;17\(1\):29.](#)

This surgical tip describes carpal tunnel release in circumstances in which it is inappropriate to stop the coumadin for three days before surgery. This surgical tip uses the PalmSpring Retractor.

4. [Blepharoplasty using an attractive assistant. Bell MSG. Canadian Journal of Plastic Surgery. 2009 Autumn;17\(3\):e17.](#)

A surgical tip describing atraumatic stabilization of delicate eyelid skin for visualization and control in blepharoplasty using the CHESS Surgery System instead of a surgical assistant.

5. [Solo hand surgery. Bell MSG, Reitsma BJ. Canadian Journal of Plastic Surgery. 2005 Autumn;13\(3\):145-147.](#)

This article describes how to use the CHESS Surgery System for solo hand surgery in less time, showing that there is improved efficiency and significant cost savings when hand procedures are undertaken in the emergency and outpatient clinic settings.

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