Use of PECS II Block in Partial Mastectomy for Improving Postoperative Pain Control and Mitigating Narcotic Use: Initial Results from a Randomized Control Trial

Kaitlyn Kennard MD, M BuckleyMS, S Meske&, L Sizer DO, S Khojasteh MD, T Frazier MD FACS, S Larson PhD, J Sabol MD FACS, R Ciocca DO, N Carp MD FACS

*Center for Population Health Research at the Lankenau Institute for Medical Research, Wynnewood PA, †The Barbara Brodsky Comprehensive Breast Center, Bryn Mawr PA, ‡Lankenau Medical Center, Wynnewood PA

Introduction

• PECS II Block is an interfascial local nerve block used in breast surgery which is divided into PECS I and PECS II

• PECS I targets the area between pectoralis major and pectoralis minor with local anesthesia under ultrasound guidance. PECS II targets the area between pectoralis minor and serratus anterior

Methods

Study type: Randomized Control Trial, Single Blinded
Inclusion: Partial Mastectomy patients +/- SLN biopsy
Exclusion: Presence of breast implants, allergy to Marcaine

Primary outcome: VAS 0-10 pain score in PACU, POD1 and POD3

Secondary outcome: narcotic use from intraoperative record, verbal report POD1 and POD3 and final pill count on postop visit

Results

• PECS II decreases pain at 3, 24 and 72 hours postoperatively

• PECS II reduces median postoperative narcotic use to 0 MEQ

• Efforts should be aimed at educating surgeons on how to perform the US Guided PECS II independently

References


Contact: Kaitlyn.Kennard@gmail.com