



ELECTRONIC SUPPLEMENTARY MATERIAL

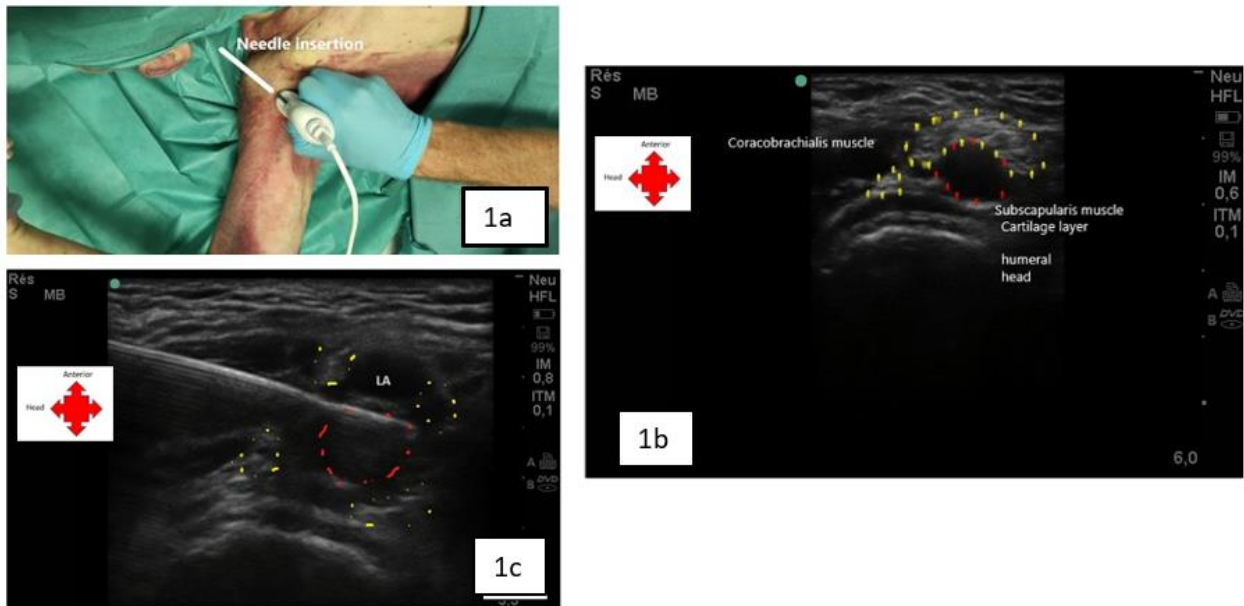
Lecoq JP *et al.*: Brachial plexus block at the level of the humeral head: a proof-of-concept observational cadaver and clinical study

Disclaimer: *Electronic Supplementary Material (ESM) is supplied by the authors for the benefit of readers. This feature is intended to provide additional information, context, and/or dimension to complement articles. Readers should be aware that unlike the main print manuscript, ESM may not undergo extensive peer review and typically is posted as supplied by the authors without editing, proofreading, accuracy checking, copyediting, or typesetting; it is published online only.*

TABLE OF CONTENTS

eFig. 1	Ultrasound image of cadaver and local anesthetics injection
eFig. 2	Preliminary shoulder dissection and after injection of methylene blue mixed with ropivacaine
eTable	Surgical and demographic data

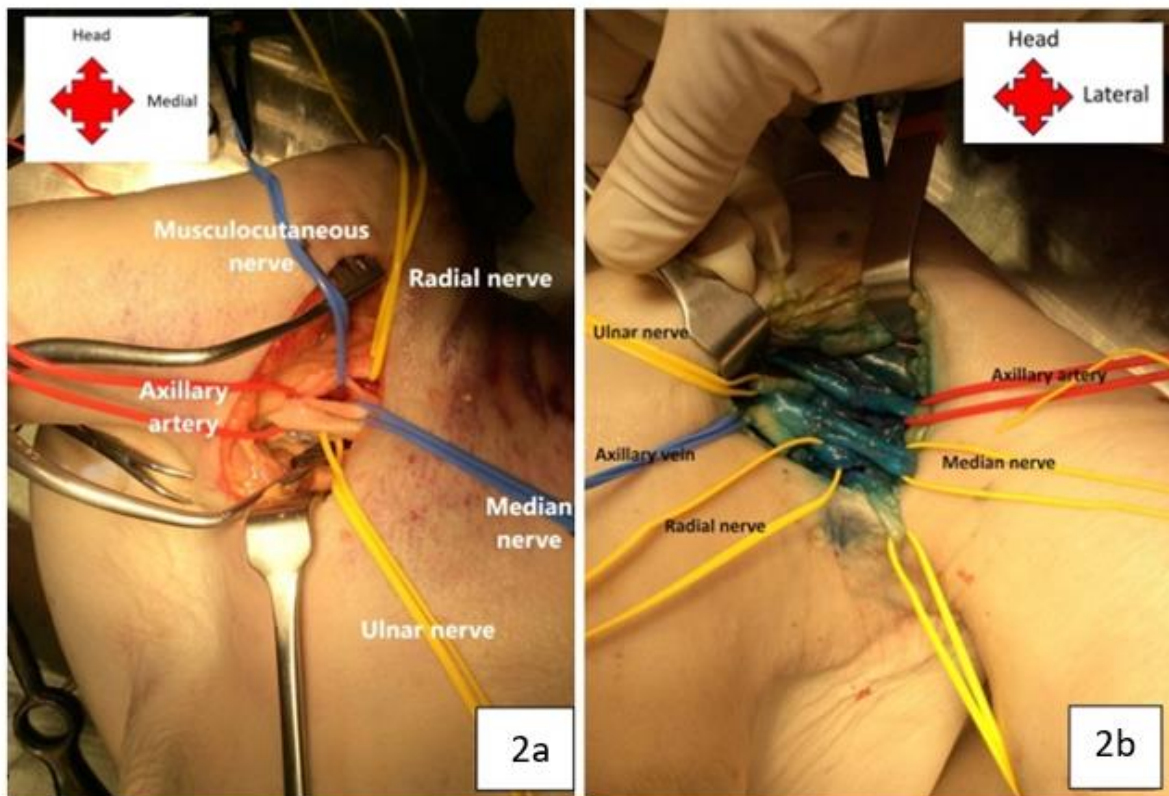
eFig. 1 Ultrasound images obtained from a cadaver before and after local anesthetic injection



(1a) Cadaver with an ultrasound probe positioned on the humeral head. (1b) Ultrasound imaging obtained from the cadaver shows a cluster of nerves (yellow dots) around the axillary artery (red dots). The images of the humeral bone, the cartilage layers, and the subscapularis muscle provide the main ultrasound landmarks of this approach. (1c) Ultrasound imaging obtained from the cadaver after local anesthetic injection (nerves are surrounded by yellow dots and the axillary artery is surrounded by red dots).

LA = local anesthetic

eFig. 2 Shoulder dissection in one cadaver and staining of structures after injection of ropivacaine mixed with methylene blue in another



(2a) Dissection and identification of nerves around the axillary artery (right shoulder). (2b) Identification of stained nerves around the axillary artery (left shoulder) after injection of methylene blue mixed with ropivacaine.

eTable Baseline demographic characteristics and surgical data of patients

Characteristic	
Sex (male/female)	10/10
Age (yr)	53 (13.5)
BMI (kg·m ⁻²)	28 (4)
Surgery (hand/elbow)	13/7
Finger prosthesis	4
Dupuytren fasciectomy	4
Foreign body removal	1
Ligamentoplasty	1
Surgical treatment of metacarpal fracture	1
Surgical tendon repair	1
Removal of arthrosynovial cyst	1
Surgical treatment of epicondylitis	4
Surgical treatment of ulner nerve entrapment at elbow level	3
Surgery duration (min), mean (SD)	24 (11.5)

Values are *n* or mean (standard deviation)

SD = standard deviation