

# Patient satisfaction after distal upper limb surgery under WALANT versus axillary block: A propensity-matched comparative cohort study

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Satisfaction des patients opérés de la partie distale du membre supérieur sous WALANT ou bloc axillaire : analyse comparative d'une cohorte avec score de propension

V. Meunier<sup>1</sup>, O. Mares<sup>2</sup>, Y. Gricourt<sup>1</sup>, N. Simon<sup>1</sup>, P. Kouyoumdjian<sup>2</sup>, P. Cuvillon<sup>1</sup>

 <sup>1</sup> Staff anesthesiologists, Department of Anesthesiology and Pain Management, Centre Hospitalo-Universitaire (CHU) Carémeau, Place du Professeur Debré, Nîmes, and Montpellier University 1, Montpellier, France
 <sup>2</sup> Department of Traumatology and Orthopedic Surgery, Centre Hospitalo-Universitaire (CHU) Carémeau, Place du Professeur Debré, Nîmes, and Montpellier University 1, Montpellier, France

#### \* Corresponding author :

Philippe Cuvillon

Department of Anesthesiology and Pain Management, Centre Hospitalo-Universitaire (CHU) Carémeau, Place du Professeur Debré, Nîmes, France. Email: philippe.cuvillon@chu-nimes.fr

#### Other authors:

Victor Meunier, M.D. Olivier Mares M.D., Ph.D. Yann Gricourt M.D. Natacha Simon Pascal Kouyoumdjian M.D., Ph.D

Keywords: WALANT; Axillary block; Pain; Satisfaction; Paresthesia

# Running Head: Satisfaction after WALANT surgery

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None for all authors.

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## Ethics approval and consent to participate:

In accordance with the current French law and Declaration of Helsinki, this study was approved by Ethic review board (IRB, Centre Hospital Universitaire, Nimes, Place du Professeur Debré, Number 2019-A0I12-03, Date : 3/December/2019) and was registered on ClinicalTrials.gov prior to beginning (ClinicalTrials.gov: NCT04855149). Written informed consent was obtained from all participants before inclusion.

#### Consent to publish:

Not applicable.

**Availability of data and materials:** The data that support the findings of this study are available from <sup>\*</sup>Department of Biostatistics, Epidemiology, Public Health and and Methodological innovation (BESPIM), Nîmes University Hospital, University Montpellier 1,

**France**" but restrictions apply to the availability of these data, which were used under license for the current study, and so are not publicly available. Data are however available from the authors upon reasonable request and with permission.

# Authors' contributions:

All authors have read and approved the manuscript. YG: study design and statistical analysis; VM: data acquisition and inclusion; OM and NS: inclusion and data collection ans analysis ; PK : data management and collection; PC: principal investigator, study design and writing the manuscript.

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**Registration :** ClinicalTrials.gov (NCT04855149), I.R.B. (IRB Nimes, Centre Hospital Universitaire, Nimes, Place du Professeur Debré, Number 2019-A0I12-03, Date : 3/December/2019)

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# 2 Abstract

3 Distal upper limb surgery is performed under WALANT (Wide Awake Local Anesthesia No 4 Tourniquet) in many outpatient centers because the benefits are numerous: simple, low-cost 5 technique, with fast turnover and short length of stay. In view of a paucity of data concerning 6 patient satisfaction, this non-randomized cohort study was designed to compare EVAN-LR 7 anesthesia satisfaction questionnaire results (information, pain, expectation, attention, 8 discomfort: 0-100 points) between patients receiving WALANT or axillary nerve block (AxB). 9 After IRB approval, patients (>18 years, stable ASA 1-3) scheduled for outpatient distal upper 10 limb surgery were prospectively enrolled in the two groups. At discharge, patients in both 11 groups received standard information on postoperative recovery and care, with a multimodal 12 analgesic regime (acetaminophen and ketoprofen for 5 days). The primary endpoint was EVAN-13 LR score before discharge. Secondary endpoints were pain relief and side-effects over a 7-day 14 period. Results were recorded as median and 25-75% interguartile range. Propensity-score-15 matched analysis was performed. Over the study period, from October 2019 to November 2020, 16 183 patients were included; 48 WALANT patients were propensity-score matched to 48 AxB 17 patients. Pre-procedural APAIS anxiety score was lower in the WALANT than the AxB group: 9 18 (IQR, 6-12) vs 12 (IQR, 8-14) (p=0.01). EVAN-LR scores were similar between the WALANT 19 (78 [72-82]) and the AxB group (73[67-80]. Incidences of paresthesia and of pain (NRS pain 20 score, opioid rescue) were similar. WALANT patients had shorter length of stay: 135 (110-175) 21 min vs 170 (110-250) min (p=0.01). The present study demonstrated that WALANT was 22 associated with a high level of patient satisfaction. For clinical relevance and quality of care, 23 WALANT should be proposed in first line for distal limb surgery.

24

#### 25 Résumé

La chirurgie distale du membre supérieur sous WALANT s'est développée dans de nombreux
centres ambulatoires en raison de nombreux avantages : simplicité technique, faible coût,
rotation rapide, courte durée de séjour. Peu d'études rapportent la satisfaction des patients
opérés sous WALANT. Cette étude de cohorte non randomisée a été conçue pour comparer les

30 questionnaires EVAN-LR (information, douleur, attente, attention, inconfort : 0-100 points) des 31 patients opérés sous WALANT ou sous bloc nerveux axillaire (BAx). Après accord de l'IRB, les 32 patients (>18 ans, ASA 1-3) prévus en ambulatoire pour une chirurgie distale du membre 33 supérieur ont été prospectivement inscrits dans deux groupes: WALANT ou BAx. A leur sortie, 34 les patients ont reçu les mêmes informations concernant leur rétablissement et des soins 35 postopératoires dont leur analgésie orale multimodale (acétaminophène, kétoprofène pendant 5 36 jours). Le critère d'évaluation principal était le score EVAN-LR réalisé avant la sortie. Les 37 critères d'évaluation secondaires étaient le soulagement de la douleur et les effets secondaires 38 sur une période de 7 jours. Les résultats ont été enregistrés sous forme de médiane et 39 d'interguartiles (25-75). Une analyse appariée par score de propension a été réalisée. Sur la 40 période d'étude (octobre 2019-novembre 2020), 183 patients ont été inclus et 48 patients avec 41 WALANT ont été appariés par score de propension à 48 patients avec BAx. Le score d'anxiété 42 APAIS avant la procédure était plus faible dans le groupe WALANT par rapport au groupe Bax : 43 9 (6-12) vs. 12 (8-14) (p=0,01). Les scores EVAN-LR étaient similaires entre le groupe 44 WALANT, 78 (72-82) et le groupe BAx, 73 (67-80). L'incidence de la paresthésie et le 45 soulagement de la douleur (score de douleur, consommation d'antalgiques opiacés 46 additionnels) étaient similaires. Les patients du groupe WALANT ont eu une durée totale de 47 séjour plus courte dans le centre : 135 (110-175) min vs. 170 (110-250) min (p=0,01). La 48 présente étude démontre que la WALANT est associé à un niveau élevé de satisfaction des 49 patients. Pour la pertinence clinique et la qualité des soins, cette série souligne que la WALANT 50 devrait être proposé en première intention pour la chirurgie distale des membres. 51 52 53 Keywords: WALANT; Axillary block; Pain; Satisfaction; Paresthesia; EVAN score 54 55 Mots-clés : WALANT ; Bloc axillaire ; Douleur ; Satisfaction ; Paresthésie ; Score EVAN 56

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2

#### 58 **1. Introduction**

59 Over the past 10 years, the Wide Awake Local Anesthesia No Tourniquet (WALANT) 60 technique has been used in many centers [1-3]. As demonstrated by several authors, this 61 technique enables more patients to be treated, more safely, and at lower cost. Stay is also 62 shorter, as little to no recovery time is needed. Studies reported that there was no need for a 63 tourniquet and no need to accelerate or change medication schedules, which is particularly 64 helpful for many diseases (diabetes or cardiac or renal failure) [3-5]. In contrast, the same 65 surgeries performed under general anesthesia or peripheral nerve block incurred higher costs, 66 more adverse effects such as nausea and vomiting, or motor impairment (e.g., loss of grip 67 strength) that can be harmful for the patients in the early postoperative period [6].

However, WALANT is not without risk, and some adverse events have been reported: intoxication by local anesthetics due to overdose, and digital necrosis with the use of procaine or cocaine. Currently, regional anesthesia with a pneumatic tourniquet on the arm is often preferred for hand surgery, using an axillary block (AxB). In this case, a pneumatic tourniquet minimizes intraoperative blood loss and improves the visibility of the operative field. However, it can be a source of discomfort, pain or transient neurological deficit [5-6].

To date, few studies comparing WALANT and AxB are available, and none evaluated patients' perioperative experience or the incidence of paresthesia in the short and long term.

In order to measure the perioperative satisfaction of patients undergoing hand surgery with AxB or WALANT, we conducted a prospective observational non-randomized study evaluating the EVAN-LR (*Evaluation du Vécu de l'Anesthésie LocoRégionale*: evaluation of experience of locoregional anesthesia) satisfaction score at discharge using propensity-score-matched analysis (Appendix 1) [7]. The endpoints were rates of postoperative adverse events (digital necrosis, paresthesia, local anesthetic intoxication, infection in the operated limb) and consumption of postoperative analgesia according to group.

83

## 84 **2. Patients and methods**

85 2.1. Institutional Review Board approval, consent, and setting

86 In line with French law, the present study was approved by the institutional review board (IRB,

87 Centre Hospitalier Universitaire, Place du Professeur Debré, Nimes; n° 2019-A0I12-03,

88 December 3<sup>rd</sup>, 2019) and was registered on ClinicalTrials.gov (NCT04855149). The STROBE

89 recommendations for reporting cohorts were followed.

90 All participants had given written informed consent before inclusion.

91

92 2.2. Study design, patients, and group allocation

This was a prospective non-randomized controlled trial. All patients >18 years with American Society of Anesthesiologists (ASA) physical status score 1-3, scheduled for outpatient distal upper limb surgery (elbow, wrist, hand, finger) under WALANT or AxB were eligible and approached by the surgeon or the investigators. Non-inclusion criteria were: ASA status 4 or unstable 3; refusal to participate; age >80 years; weight <50 kg; emergency or bilateral surgery; any contraindication to regional anesthesia; psychiatric disorder (delirium, dementia); pregnancy; alcohol or drug abuse; uncontrolled epilepsy; patient unlikely to be fully cooperative;

100 and participation in another study within the previous 30 days. Patients reporting any allergy for

101 or contraindication to the study drugs were not included.

102This was a non-randomized study: group allocation was proposed to the patient, who103could freely choose to be operated under WALANT or AxB. For WALANT, only one experienced

104 surgeon performed the anesthesia; AxB was performed by experienced anesthesiologists.

105

106 2.3. Study groups

In both groups, patients were admitted in the outpatient center in the morning; no
premedication was given. WALANT and AxB injections were performed in the preoperative
room. For AxB, patients were monitored and intravenous (IV) access was secured. No sedation
was performed in either group.

111

112 2.3.1. WALANT group

After the skin was prepared with povidone iodine, anesthesia was performed with a 25G needle, according to the technique described by Lalonde [6]. Local anesthetic was injected into 115 the planned area of incision and dissection. The solution of lidocaine 10 mg.mL<sup>-1</sup> and

epinephrine 5µg was diluted 1:1 with an isotonic solution of sodium chloride to obtain a solution of lidocaine 5 mg.mL<sup>-1</sup> + epinephrine 2.5µg.mL<sup>-1</sup>.

118

119 *2.3.2.* AxB group

AxB was performed under ultrasound guidance. Briefly, using an ultrasound approach (LogiqE 7, GE, USA), the median, ulnar, musculocutaneous and radial nerves were identified and located around the axillary artery. Then, a 100 mm needle (Stimuplex, B Braun, Germany) was inserted in the axillary area in the plane of the probe and approached to the four nerves. Five mL mepivacaine 15 mg.mL<sup>-1</sup> was injected around each nerve.

125

126 2.4. Surgery and standard postoperative care

For all patients, surgery was performed in the operating room by same experienced
surgeon (>5 years of practice, >500 procedures). In case of pain during surgery, additional local
anesthesia (lidocaine 5 mg.mL<sup>-1</sup>) could be injected.

130 At the end of surgery, patients were transferred to the post-anesthesia care unit (PACU).

131 At the PACU, patients with pain >3/10 on a numeric rating scale (NRS, 0-10: 0, no pain; 10,

132 worst imaginable pain) were registered and received acetaminophen and ketoprofen if needed.

Both groups were then managed similarly in a standardized manner, with rapid rehabilitation (early oral intake, walking and eating as early as possible and at least before discharge); IV ondansetron (4mg) was injected in case of nausea or vomiting. Patients were

136 discharged from the outpatient unit when their Chung score was 9-10/10 [8].

At discharge, patients received standard information regarding postoperative recovery and care at home (analgesia, dressing change, etc.). A 24-hour telephone helpline was available if they had any questions or concerns out of office hours, and they were advised to

140 contact the local hospital's emergency department if in need of acute care. After discharge, both

141 groups systematically received standard oral analgesic drugs: acetaminophen (1g every 6

hours) combined with ketoprofen (100 mg every 12 hours) for 5 days.

144 2.5. Clinical assessment

6

145 In our study, the Amsterdam Preoperative Anxiety and Information Scale (APAIS) was 146 self-administered on the day of surgery at arrival [9]. Pain intensity at rest and maximum pain 147 were rated on an NRS (0 = no pain and 10 = worst imaginable pain) in the PACU, at discharge, 148 and on Day 1 and Day 7 [8]. Any adverse events arising from the analgesic protocol were 149 systematically assessed: nausea, vomiting, urinary retention, drowsiness, dizziness, headache, 150 sweating, pruritus, confusion/hallucination, sedation, and sore throat. On Days 1 and 7, nurses 151 from the outpatient center telephoned the patients and recorded any adverse events, quality of 152 sleep, comfort and anxiety using a 0-10 NRS. Rescue doses of study drugs, additional drugs or 153 discontinuation of study drugs were also recorded.

154 At discharge, patients filled out the self-administered EVAN-LR questionnaire [7]

155 (Appendix 1). All medical or surgical complications (including readmission) throughout the study

156 period were recorded. The 19-item questionnaire comprises 5 components: attention,

157 information, discomfort, expectation and pain [7]. Based on their expectations, patients score

158 from 1 (much worse than I expected) to 5 (much better than I expected). The total score is thus159 out of 95 points.

160

161 2.6. Endpoints and sample-size calculation

The primary endpoint was the total EVAN-LR score at discharge, ranging between 5 and 95. A difference of more than 5 points between groups was considered clinically relevant (confidence interval CI: 10 points). A minimum 45 subjects per group was estimated to be necessary to demonstrate a difference between the two groups (alpha risk at 5% and beta risk error 80%). Secondary endpoints were paresthesia and pain relief following surgery during the first 7 postoperative days.

168

169 2.7. Statistical analysis

Statistical analysis used SAS software, version 9.4 (SAS Inc., Cary, NC). An initial
analysis was performed for both groups as a whole (Table 1), followed by a propensity-matched
analysis. Matching used a 1:1, greedy, nearest neighbor strategy, with a caliper set to 0.1,

174 test was used to test for normal distribution of continuous variables. Statistical results were

175 expressed as mean (SD) or median [25–75 IQR], according to distribution. Numbers and

176 percentages were given for categorical variables. Comparison of continuous variables between

177 groups used Student's t-test or Wilcoxon-Mann-Whitney test, according to distribution.

178 Categorical variables were compared between groups by  $chi^2$  or Fisher's exact test. All statistical 179 tests were two-sided, with the significance threshold set at p<0.05.

180

# **3. Results**

182 3.1. Study population

Between October 2019 and November 2020, 202 patients were approached to participate in the study. Nineteen were not included, for the following reasons: age <18 years (n=4), other surgical site (n=8), incomplete records (n=4), or duplicate records (n=3). A total of 183 patients were analyzed: 106 in the WALANT group and 77 in the AxB group (Table 1). After matching, 48 patients in each group were again analyzed (Table 2). Demographic, anesthesia and surgery data are shown in Table 1. After matching, baseline patient characteristics and type of surgery were similar between groups (Table 2).

190

191 3.2. Primary endpoint

Total EVAN-LR score was 73 (IQR, 67-80) in the AxB group and 78 (IQR, 72-82) in the
WALANT group (p=0.20) (Fig. 1). Data for each EVAN-LR component (information, pain,
expectation, attention, discomfort) were similar between the groups (Fig. 1). Removing the 3
regional anesthesia information items, the EVAN-LR score was 65 (59-70) in the AxB group and
66 (60-70) in the WALANT group (p=0.68).

197

198 3.3. Secondary endpoints

Pre- and post-operative pain scores did not differ at any time point (D0, D1, and D7)
(Table 3). Anxiety on APAIS score was lower in the WALANT group (Table 1). The rate of

7

surgical complications, including paresthesia, was similar between the two groups at D1 and D7(Table 3).

The times spent for each step are shown in Table 2. Total hospital stay was shorter in the WALANT group than in the AxB group (Table 1).

205

#### 206 **4. Discussion**

In this prospective matching observational study after upper limb surgery, the WALANT group presented similar satisfaction scores and outcomes, in terms of pain relief and analgesic rescue, to the axillary block group, but with a lower level of anxiety at admission and faster discharge.

211 Perioperative experience and patient satisfaction are increasingly preponderant quality 212 indicators in the evaluation of health establishments and the management of care. The 213 originality of the present results lies in the use of a robust and validated quality instrument, the 214 EVAN-LR score, and in the large cohort evaluated. The study demonstrated that the satisfaction 215 scores of patients operated under WALANT were similar to those of patients operated on with 216 the conventional technique (axillary block) [10]. These results confirm previous findings in 31 217 patients with bilateral carpal tunnel syndrome, who underwent surgery under WALANT without 218 sedation for one side and under sedation for the other side. The authors found no significant 219 difference in satisfaction between the two anesthetic techniques 6 weeks after surgery [11].

220 The present study evaluated the patients using the EVAN-LR score, a composite score 221 enabling more detailed assessment of patient satisfaction, which is ultimately multi-factorial. 222 Analysis of the 5 components of the score did not show any predominance in favor of the 223 WALANT group. On the other hand, the level of preoperative anxiety was clearly lower in the 224 WALANT group (Table 1). Similar results were reported in a retrospective study of 31 patients 225 undergoing foot and ankle surgery under WALANT, with low preoperative anxiety on VAS-A 226 score [12]. This lower anxiety has several reasons. The first is undoubtedly the absence of 227 anesthetic pathway (stress linked to the performance of the block by an unknown anesthetist); 228 the second is that local anesthesia, performed by a surgeon whom the patient knows, is not 229 considered invasive, unlike regional anesthesia. These hypotheses need be evaluated. Scores

for evaluating anesthesia techniques lack evidence base, and the EVAN score is considered the most robust. Scores evaluating the quality of anesthesia mainly assess quality of care, in particular the EQ5D and QOR 40 scores, which focus more on care than on the technique [13].

Regarding postoperative pain, 30 patients used tramadol or opioids postoperatively: 12 in the WALANT group and 18 in the AxB group. Four of these patients in the WALANT group had undergone trapeziometacarpal arthroplasty. This leads us to raise the question of a pain rebound effect in WALANT for major procedures: pain rebound after regional anesthesia is well known, and there seems to be a similar problem for WALANT for major surgery. Larsen et al. discussed adding a long-acting local anesthetic to limit this rebound effect [14].

239 Regarding complications, 2 patients in the WALANT group presented a vagal symptom 240 under local anesthesia, without loss of consciousness. This complication is classic with local 241 injections and encourages the use of the supine position to limit the risk of falling. International 242 guidelines do not mandate monitoring for low doses of local anesthetic. To reduce the risk of 243 systemic toxicity, surgical teams should pay attention to the maximum dose. In our study, we 244 did not find any significant difference in occurrence of postoperative paresthesia between the 245 two techniques. This result will have to be analyzed in a larger cohort, because the advocates of 246 WALANT put forward this argument of fewer complications (paresthesia) than with regional 247 anesthesia to promote their technique.

248 In our study, stay in the outpatient center was shorter in the WALANT than in the AxB 249 group, due to rapid passage into the postoperative care unit. In the logic of enhanced recovery 250 after surgery, WALANT seems more appropriate and clearly more beneficial than regional 251 anesthesia (Table 1) [15]. In addition, this shorter stay reduces the cost of surgery (not analyzed 252 in the present study). Recently, an American study of 352,779 patients undergoing hand 253 surgery (de Quervain's tendonitis, carpal tunnel syndrome) found that, over 5 years, a saving of 254 \$133 million could have been made by the absence of an anesthetist if these procedures had 255 been performed under WALANT [16]. Many studies today support this, showing cost saving 256 when WALANT is used instead of general anesthesia or regional block for distal upper limb 257 surgery [16-19].

9

258 There are many limitations to the present study. The first is the absence of 259 randomization between groups, leading to a selection bias, with potentially easier or more 260 difficult surgeries in one group and different patient profiles in surgical terms, as shown in Table 261 1. Also, the surgeries in the WALANT group were predominantly soft tissue procedures(carpal 262 tunnel, trigger finger release), whereas they were bone-and-joint procedures (osteosynthesis) in 263 the AxB group before matching, and similar after matching. A second limitation was that the 264 operators performing the axillary block were several, unlike for WALANT in which there was 265 only one operator, who moreover knew and followed the patients, which probably created a bias 266 in the satisfaction analysis because the caregiver-patient relation was not the same as in the 267 AxB group. 268 269 5. Conclusion 270 This non-randomized matching study showed high satisfaction in patients undergoing 271 upper limb surgery under WALANT, with similar adverse events in terms of pain and paresthesia over the first 7 postoperative days compared to axillary block. A randomized study 272 273 could confirm these findings. 274 275 Acknowledgments: The authors wish to thank Teresa Sawyers, British medical writer at our 276 institution, for revising the manuscript. 277 278 **Competing interests:** 279 The authors declare that they have no competing interests. 280 281 Funding: 282 The research received a grant from Carémeau University Hospital, Nimes, France. The funding 283 body played no role in the design of the study, collection, analysis, and interpretation of data or 284 in writing the manuscript. 285 286 Ethics approval and consent:

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- 287 In accordance with current French law and Declaration of Helsinki, this study was approved by
- 288 local institutional review board (IRB, Centre Hospitalier Universitaire, Nimes, Place du
- 289 Professeur Debré; n° 2019-A0I12-03, December 3, 2019) and was registered at
- 290 ClinicalTrials.gov prior to launch (ClinicalTrials.gov: NCT04855149). Written informed consent
- 291 was obtained from all participants before inclusion.
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- 294

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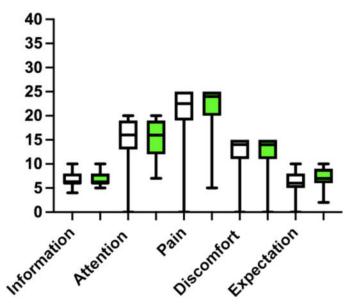
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- 339
- 340

# **Table titles**

- **Table 1.** Demographics and surgery (before matching)
- **Table 2.** Demographics and surgery (after matching)
- **Table 3.** Side-effects and pain relief

- 347 Figure legends
- **Fig. 1.** EVAN-LR score for each component.

.



**Table 1.** Demographics and surgery (before matching)

	WALANT	Axillary block	р
N Age (years) Gender (male) Weight (kg) Height (cm)	106 60 (49-72) 48 (45) 75 (65-85) 169 (161-176)	77 58 (38-67) 42 (54)* 72 (62-83) 169 (162-176)	0.05 0.01 0.61 0.36
ASA status score	1 (1-2)	2 (1-2)*	0.04
APAIS anxiety score	10 (7-12)	12 (8-14)*	0.03
Surgery Carpal and ulnar tunnel Trigger finger Hardware removal Trapeziometacarpal arthroplasty Osteosynthesis Tendon transfer Tenotomy Dupuytren disease Synovial ganglion Lacertus fibrosus release Arthroscopy: wrist Flap Other	35 19 12 9 8 6 4 3 3 2 1 0 4	16 0 5 6 17 3 0 10 4 1 8 3 4	
Time for each step Preoperative area (min) Time to perform anesthesia (min) Surgery (min) PACU time (min) Time from entrance to discharge (min)	44 (25-93) 5 (5-7) 13 (8-20) 53 (32-76)* 140 (109-184)	60 (27-135) 15 (10-25)* 25 (16-39)* 32 (21-57) 182 (112-262)*	0.19 0.001 0.001 0.002 0.01

Values are number (percentage) or median (interquartile range) \*p< 0.05 vs WALANT group PACU: post-anesthesia care unit

**Table 2.** Demographics and surgery (after matching)

	WALANT	Axillary block	р
N Age (years) Gender (male) Weight (kg) Height (cm)	48 60 (49-71) 25 (52) 78 (65-85) 170 (162-178)	48 58 (45-65) 24 (50) 73 (60-84) 169 (162-176)	0.26 0.90 0.28 0.45
ASA status score	2 (1-2)	2 (1-2)	0.04
APAIS anxiety score	9 (6-12)	13 (8-14)	0.01
Surgery Carpal and ulnar tunnel nerve Hardware removal Trapeziometacarpal arthroplasty Osteosynthesis Tendon transfer Dupuytren disease Synovial ganglion Other	16 4 6 4 3 3 6	16 4 6 3 3 4 6	
Time for each step Preoperative area (min) Time to perform anesthesia (min) Surgery (min) PACU time (min) Time from entrance to discharge (min)	44 (25-93) 7 (5-8) 13 (8-25) 50 (35-80) 135 (110-175)	60 (27-135) 15 (10-26) 23 (13-34) 31 (19-49) 170 (110-250)	0.19 0.001 0.01 0.01 0.01

Values are number (percentage) or median (interquartile range) \*p< 0.05 vs WALANT group PACU: post-anesthesia care unit Table 3. Side-effects and pain relief

Paresthesia Day 1 Day 7	WALANT	Axillary block	р
	16 (21) 13 (27)	11 (22) 7 (15)	0.25 0.07
Systemic complications	0	0	1
Local complications - Infection - Necrosis	1 0	0 0	0.8 1
Pain score at rest Before surgery In PACU Day 1 Day 7	0 (0-3) 0 3 (0-5) 0 (0-3)	0 (0-1) 0 3 (1-6) 0 (0-6)	0.31 1 0.44 0.9

Values are number (percentage) or median (interquartile range) \*p< 0.05 vs WALANT group PACU: post-anesthesia care unit