Clinical Trial Protocol
Iranian Registry of Clinical Trials

22 Nov 2026

ANALGESIC EFFICACY OF SUPRASCAPULAR NERVE BLOCK COMBINED WITH AXILLARY BLOCK VERSUS SUPRASCAPULAR BLOCK ALONE FOR FROZEN SHOULDER

Protocol summary

Study aim

To compare the outcomes of patients suffering from frozen shoulder treated with a suprascapular nerve block combined with an axillary block versus a suprascapular nerve block (SSNB) alone.

Design

Non Randomised Contrial Trial (Quasi-Experimental Study Design)

Settings and conduct

Department of Anesthesia, Combined Military Hospital, Rawalpindi, Pakistan

Participants/Inclusion and exclusion criteria

Inclusion criteria: All patients aged 18–80 years presenting to the pain clinic of the Department of Anesthesia with frozen shoulder diagnosed clinically by a pain consultant, with restriction in the range of motion in at least two planes, including internal rotation, external rotation, and abduction, or diagnosed on MRI with features suggestive of coracohumeral ligament thickening. Exclusion criteria: Patients with advanced cardiac or respiratory disease, patients with other shoulder joint arthropathies, patients with rotator cuff tears, patients already on steroids or with a history of intra-articular joint injections within the last 6 months, patients allergic to bupivacaine or triamcinolone, and patients unwilling to participate in the study.

Intervention groups

The patients were divided into Group A (n=40) to receive the combined suprascapular and axillary block and Group B (n=40) to receive the suprascapular block alone. Written informed consent was obtained from all patients after informing in detail about procedure risks and complication. Patients were allocated to the two groups using a non-probability consecutive sampling technique followed by the lottery method and were blinded to the procedure being performed.

Main outcome variables

VARIABLE MEDIAN SHOULDER PAIN AND DISABILITY INDEX (SPADI) SCORES (0-100) PRE-PROCEDURE AT 01 MONTH AT 03 MONTHS AT 06 MONTHS AT 09 MONTHS AT 12 MONTHS MEDIAN LIKERT SATISFACTION SCORES (0-7) AT 01 MONTH AT 03 MONTHS AT 06 MONTHS AT 09 MONTHS AT 12 MONTHS

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20260714070185N1**
Registration date: **2026-07-20, 1405/04/29**
Registration timing: **retrospective**

Last update: **2026-07-20, 1405/04/29**
Update count: **0**

Registration date

2026-07-20, 1405/04/29

Registrant information

Name

Muhammad Nauman Fazal

Name of organization / entity

National University of Medical Sciences

Country

Pakistan

Phone

+92 325 9780599

Email address

nauman106304@gmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2024-10-01, 1403/07/10

Expected recruitment end date
2025-03-31, 1404/01/11
Actual recruitment start date
2024-10-01, 1403/07/10
Actual recruitment end date
2025-03-31, 1404/01/11
Trial completion date
2025-03-31, 1404/01/11

Scientific title
ANALGESIC EFFICACY OF SUPRASCAPULAR NERVE BLOCK COMBINED WITH AXILLARY BLOCK VERSUS SUPRASCAPULAR BLOCK ALONE FOR FROZEN SHOULDER

Public title
ANALGESIC EFFICACY OF SUPRASCAPULAR NERVE BLOCK COMBINED WITH AXILLARY BLOCK VERSUS SUPRASCAPULAR BLOCK ALONE FOR FROZEN SHOULDER
Purpose
Treatment
Inclusion/Exclusion criteria
Inclusion criteria:
All patients aged 18–80 years presenting to the pain clinic of the Department of Anesthesia with frozen shoulder diagnosed clinically by a pain consultant, with restriction in the range of motion in at least two planes, including internal rotation, external rotation, and abduction, or diagnosed on MRI with features suggestive of coracohumeral ligament thickening
Exclusion criteria:
Patients with advanced cardiac or respiratory disease patients with other shoulder joint arthropathies patients with rotator cuff tears patients already on steroids or with a history of intra-articular joint injections within the last 6 months patients allergic to bupivacaine or triamcinolone patients unwilling to participate in the study
Age
From **18 years** old to **80 years** old
Gender
Both

Phase
0
Groups that have been masked
No information
Sample size
Target sample size: **80**
Actual sample size reached: **80**
Randomization (investigator's opinion)
Not randomized
Randomization description
Blinding (investigator's opinion)
Not blinded
Blinding description
Placebo
Not used
Assignment
Parallel
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Approval date
empty
Ethics committee reference number

2

Ethics committee
Name of ethics committee
ETHICAL COMMITTEE/ INSTITUTIONAL REVIEW BOARD, COMBINE MILITARY HOSPITAL, RAWALPINDI
Street address
Combine Military Hospital Rawalpindi (CMH), CMH Rd, Rawalpindi, 46000
City
Rawalpindi
Postal code
46000
Approval date
2024-09-11, 1403/06/21
Ethics committee reference number
786

Health conditions studied

1

Description of health condition studied
Frozen Shoulder (Adhesive Capsulitis)
ICD-10 code
M75.0
ICD-10 code description
Adhesive capsulitis of shoulder

Primary outcomes

1

Description
MEDIAN SHOULDER PAIN AND DISABILITY INDEX (SPADI)
Timepoint
Preprocedural, 01, 03, 06, 09, 12 Months
Method of measurement
SHOULDER PAIN AND DISABILITY INDEX (SPADI) SCORES (0-100)

Secondary outcomes

1

Description
SATISFACTION
Timepoint
01, 03, 06, 09, 12 Months

Method of measurement
LIKERT SATISFACTION SCORE (0-7)

Intervention groups

1

Description
Intervention group: Group-A, Group-B
Category
Treatment - Other

Recruitment centers

1

Recruitment center
Name of recruitment center
Department of Anesthesia, Combined Military Hospital, Rawalpindi, Pakistan
Full name of responsible person
Muhammad Nauman Fazal
Street address
COMBINE MILITARY HOSPITAL Rawalpindi (CMH), CMH Rd, Rawalpindi, 46000
City
Rawalpindi
Postal code
46000
Phone
+92 51 9273426
Email
rabnawaz.bangash3061@gmail.com

2

Recruitment center

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Department of Anesthesia, Combined Military Hospital, Rawalpindi, Pakistan
Full name of responsible person
Muhammad Nauman Fazal
Street address
Combined Military Hospital Rawalpindi (CMH), CMH Rd, Rawalpindi, 46000
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Postal code
46000
Phone
+92 51 9273426
Email
rabnawaz.bangash3061@gmail.com
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Department of Anesthesia, Combined Military Hospital, Rawalpindi, Pakistan
Proportion provided by this source
100
Public or private sector
Public
Domestic or foreign origin
Domestic
Category of foreign source of funding
empty
Country of origin
Type of organization providing the funding
Academic

Person responsible for general inquiries

Contact
Name of organization / entity
Combined Military Hospital Rawalpindi
Full name of responsible person
Muhammad Nauman Fazal
Position
Graded Specialist
Latest degree
Specialist
Other areas of specialty/work
Anesthesiology
Street address
Combined Military Hospital Rawalpindi (CMH), CMH Rd, Rawalpindi, 46000
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Person responsible for scientific inquiries

Contact
Name of organization / entity
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Full name of responsible person
Muhammad Nauman Fazal
Position
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Latest degree
Specialist
Other areas of specialty/work
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Person responsible for updating data

Contact

Name of organization / entity

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Full name of responsible person

Muhammad Nauman Fazal

Position

Graded specialist

Latest degree

Specialist

Other areas of specialty/work

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Undecided - It is not yet known if there will be a plan to make this available

Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form

No - There is not a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary

Not applicable