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**1** Name of Journal: *World Journal of Orthopedics*  
**ESPS Manuscript NO:** 26312  
**Manuscript Type:** ORIGINAL ARTICLE

**2** Basic Study  
 Posterior interosseous nerve localization within the proximal forearm - a patient normalized parameter

Srinath Kamineni, Christopher Hayes, Crystal R Norgren, Evan M Davidson,  
 Andrew S Deane

## ABSTRACT

## Aim:

The posterior interosseous nerve's anatomical variations prevent accuracy in traditional parameters. We provide a "patient-normalized" parameter in the proximal forearm.

## Methods:

Sixty-three cadaveric upper extremities from thirty-five cadavers were studied. A muscle splitting approach was utilized to locate the posterior interosseous nerve (PIN) at the point where it emerges from beneath the supinator. The supinator was carefully incised to expose the midpoint length of the nerve as it passes into the forearm while preserving the associated fascial connections, thereby preserving the relationship of the

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