



# Guide to Musculoskeletal Injections with Ultrasound

By Mohammad Agha MD, Douglas Murphy MD

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**Guide to Musculoskeletal Injections with Ultrasound** By Mohammad Agha MD, Douglas Murphy MD

The ABCs of ultrasound-guided MSK injections

This practical handbook covers all types of ultrasound-guided injections of the joints and tendons. Designed for use primarily by trainees and new practitioners, the guide bridges the gap between the early steps of learning to perform injections and applying that knowledge to patient care. With its concise, user-friendly format and easy-to-follow instructions, the book allows practitioners to quickly access precise information for performing procedures at the point of care. High-resolution photographs and images illustrate marking and probe placement and walk you through needle visualization on insertion and at target.

Chapters highlight key information that enables injectors to confidently execute basic skills and also flag potential pitfalls that can cause an adverse outcome. While focused on the most common procedures for peripheral joint problems, the book also covers selected injections for spine disorders and introduces some more advanced guided techniques. Indications, suggested medications and dosing, approach (in-plane/out-of-plane), procedural steps, lists of structures to avoid, and clinical pearls and tips are provided for each injection.

Written by expert authors, this guide will be indispensable to new practitioners building proficiency and more experienced clinicians who wish to refresh their knowledge performing ultrasound-guided procedures.

## Key Features:

- Provides expert guidance for students, residents, fellows and attendings looking to add musculoskeletal ultrasound to their practice
- Covers the basics for most common peripheral joint and peripheral nerve procedures and introduces some more advanced spine injections
- Step-by-step descriptions, photographs, and images with needle visualization illuminate each procedure

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