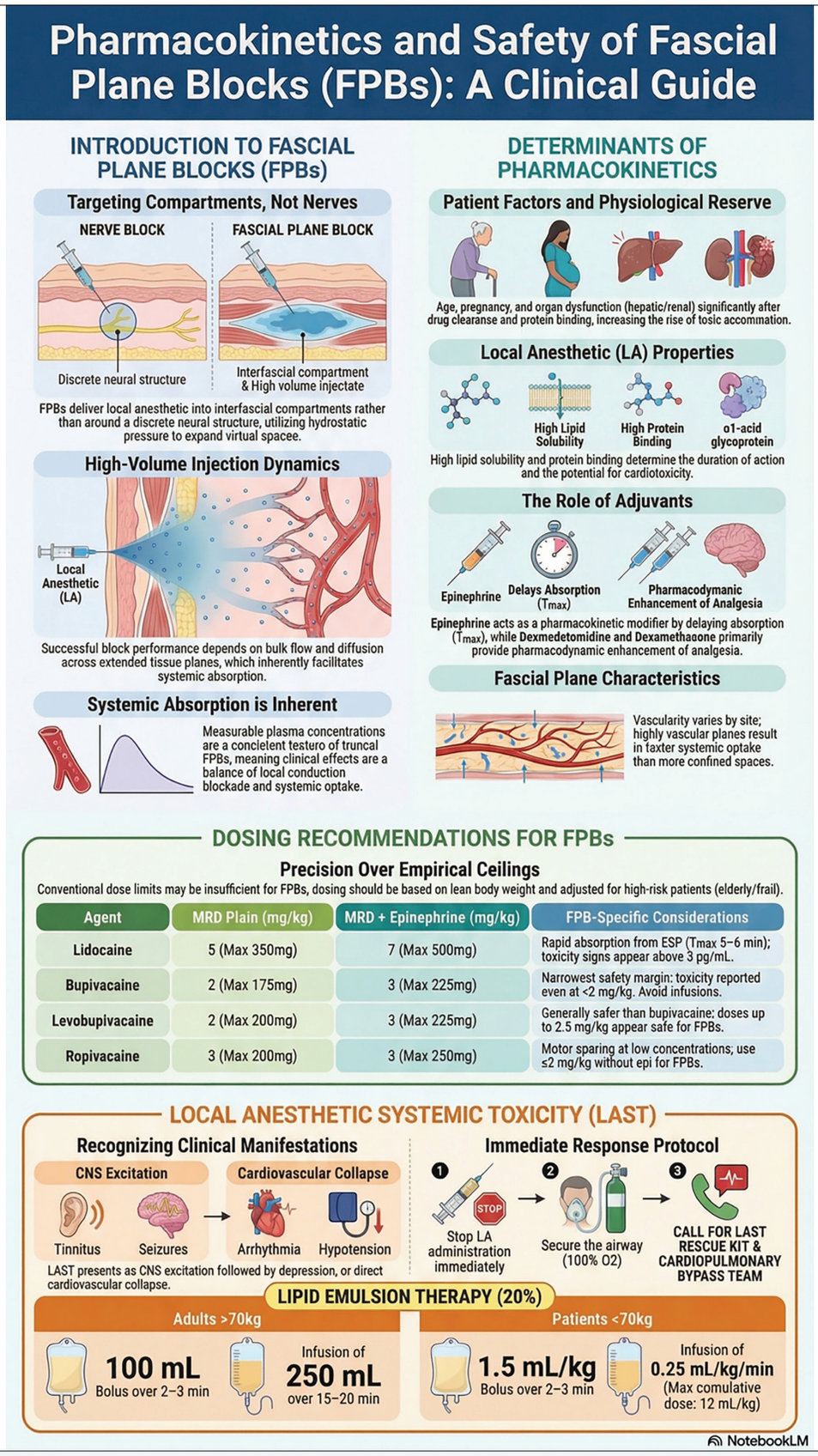



**Supplementary Material 1. Pharmacokinetics and Safety of Fascial Plane Blocks: A Clinical Guide.**

**This infographic summarizes the key pharmacokinetic principles and safety considerations associated with fascial plane blocks (FPBs). It illustrates the differences between conventional peripheral nerve blocks and FPBs, emphasizing high-volume interfascial injection, local anesthetic spread, and systemic absorption. Major determinants of pharmacokinetic variability, including patient-related factors, local anesthetic properties, fascial plane characteristics, and adjuvant use, are highlighted. The infographic also presents commonly recommended local anesthetic dose limits and agent-specific considerations, emphasizing individualized dosing to minimize systemic toxicity. Finally, it outlines the clinical manifestations of local anesthetic systemic toxicity and essential management strategies, including early recognition, immediate supportive measures, and intravenous lipid emulsion therapy. CNS, central nervous system; ESP, erector spinae plane; MRD, maximum recommended dose; Tmax, time to peak plasma concentration.**