

Surgery & Integrative Medicine

November 17-18, 2025 | London, UK



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Cold Stored Platelets – Increasing Understanding and Use

The current standard of practice worldwide is to provide room temperature platelets (RTPs); however, there are many disadvantages to the use of RTPs such that alternative approaches have been explored. Cold stored platelets (CSPs) represent a promising alternative to conventional room temperature platelets (RTPs) for the treatment of active bleeding, particularly in trauma, surgical, and remote care settings. CSPs are platelets stored at 1–6 °C, in clinical settings. CSPs offer logistical advantages such as extended shelf life and reduced bacterial contamination risk, making them suitable for emergency bleeding and other scenarios. Regulatory guidance from the FDA has supported their use under specific conditions, emphasizing their role in emergency bleeding. However, limitations include diminished survival in circulation and others. Ongoing research and clinical trials continue to evaluate their efficacy, safety, and integration into transfusion practices.

Biography

YanYun Wu is a healthcare professional affiliated with the University of Miami, where she contributes to clinical care, research initiatives, and academic activities within the medical field. She is committed to advancing patient-centered healthcare and continuously developing her professional expertise through hands-on clinical practice and multidisciplinary collaboration.

At the University of Miami, YanYun is involved in supporting clinical services, engaging with research projects, and participating in educational programs that promote innovation in medical practice. Her professional interests include evidence-based medicine, healthcare improvement, and contributing to medical research that enhances diagnostic and therapeutic outcomes.

YanYun remains dedicated to lifelong learning and actively participates in training programs, workshops, and academic discussions aimed at strengthening her knowledge and clinical capabilities. She is known for her strong work ethic, collaborative approach, and commitment to delivering high-quality patient care.