

Peer Review

# Review of: "Intermittent Pneumatic Compression as a Regulator of Physiological Processes: A Conceptual Framework"

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Largely an opinionated theoretical composition with loose factual connections and many potential associations that require validated quantifiable research to connect. As a theoretical writing, it creates opportunities and stimulation for readers with an extensive lymphedema pump (IPC) background (clinical use and prior literature publication) to look at IPC from other "angles" and the potential of repurposing use if research were to provide validation for the extended use proposals. The work is both superficial (would benefit from greater detail in specific areas) and assumes the reader understands the IPC published data; this is a bit of a leap as most clinicians do not understand the pressures, waveforms, or physiology of IPC. A higher detailed level setting of IPC basics/foundational function would be beneficial as an introduction. Also, an added level of lymphatic anatomy and physiology could help to further connect the potential of IPC to therapeutics for lymphatic dysfunction and pathophysiology. The reading is interesting, demonstrates potential, but is highly speculative, and the reader must be discerning in current vs. future potential uses of IPC.

## Declarations

**Potential competing interests:** Science advisor, Eva Medtec