Frequently Asked Questions about Javelo's device

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1. What problem does the device solve?

IV lines fail more often than people realise—around up to 50% overall, with dislodgement a major cause of delays and complications [1]. Javelo's Peripheral Line Securement device ("Javelo") is designed to keep lines secure and stable, helping treatments run as planned and reducing interruptions when timing really matters.

2. Who is the device intended for?

Javelo is designed for patients requiring infusion or transfusion line securement, and is applied by healthcare professionals.

3. How does the device work and what makes it different?

Javelo uses a strap-based system to hold infusion or transfusion tubing securely in place - without relying on skin adhesives. Unlike traditional adhesive products, it maintains performance even when patients are moving, sweaty, or unwell, giving more consistent real-world reliability and comfort.

4. How strong and reliable is the securement?

In an independent comparative study conducted by Imperial College London, Javelo showed significantly higher resistance to pull-out compared to adhesive-based options ($p<0.001$), and maintained performance under perspiration ($p<0.05$) [2]. This means it holds lines securely in both controlled and real-world conditions, helping stabilise IV access during routine care.

5. Does it affect fluid flow?

No - Javelo is designed to secure the tubing without compressing or obstructing it. When the device is applied correctly, it helps guide the line smoothly and avoids sharp bends, supporting consistent and uninterrupted fluid flow. This is supported by internal testing and post-market surveillance which confirms that across thousands of infusions, there have been no reports of fluid flow disturbance.

6. Is it comfortable for patients?

Comfort is a key strength - 60% of participants rated Javelo as the most comfortable device tested as part of an independent comparative study performed by Imperial College London [2]. The soft strap design avoids skin irritation and pulling, making it easier for patients to wear over longer periods.

7. How does the device deliver value?

Javelo is a single patient reusable device, meaning one device can support a patient across multiple stages of their care journey - from an inpatient care pathway through to repeated outpatient use. This reduces repeated replacements, lowers cost and supports sustainability by cutting down on single-use waste. Patients get better comfort, more confidence and the freedom to mobilise during their recovery.

8. What age groups can use the device?

The device is suitable across a wide age range, with strap sizes designed for children aged 1–8 years and 8 years and above. This makes it flexible for both paediatric and adult patients, with clinicians able to select the best fit.

9. Where on the body can it be used?

Javelo can be applied to the wrist and in limited paediatric use cases also the ankle depending on clinical need. This flexibility allows it to work across a wide range of clinical scenarios and patient preferences.

10. What types of IV access devices can I use it with?

Javelo's Peripheral Line Securement device can be used with infusion and transfusion tubing that is connected to peripheral IV access devices such as cannulas (PIVCs) and midlines inserted in the hand and forearm. Please consult the Instructions for Use for more information.

11. What clinical areas should I consider deploying the product to?

Our customers recognise the benefits of using the device across a range of inpatient and outpatient clinical areas, often first focusing on areas where the frequency and/or severity of complications are high. For example, extremes of age (elderly care, paediatric care), high clinical acuity (emergency, acute admissions, post-operative, maternity and critical care) or frequent treatments with adhesive skin burden (e.g. outpatient infusions or chemotherapy). To explore your needs in more detail, please get in touch.

12. Does the device have regulatory approval?

Yes - Javelo is a Class I, non-sterile medical device that is registered with the MHRA and carries a UKCA mark. It is also registered with the FDA in the United States.

References

[1] Rickard C, Marsh N, Webster J et al. Dressings and securements for the prevention of peripheral intravenous catheter failure in adults (SAVE): a pragmatic, randomised controlled, superiority trial. The Lancet, 2018; 392, 419-430

[2] Morgan GKH, Spiteri M, Masouros S. (2026) Evaluation of peripheral intravenous line securement devices under clinically relevant loading and perspiratory conditions. PLoS One 21(3): e0341618