Bullpup scientific

M/29 Bullpup™

The two-minute midline
The right line from the start.

Standard over-the-needle insertion with midline performance.

~2min
insertion,
at the bedside



Up to 29 days	~2 min	18–22G	325 PSI	CE · MDR
indicated dwell time	bedside insertion	7.9–9.8 cm catheter	power injection rated	Class IIa · ISO 13485

THE M/29 CATHETER SYSTEM

Midline-class dwell. Cannula technique.

The M/29 Bullpup™ is a patented** midline-length polyurethane over-the-needle catheter. It is inserted like a standard IV cannula, and its design allows insertion without touching the catheter itself.

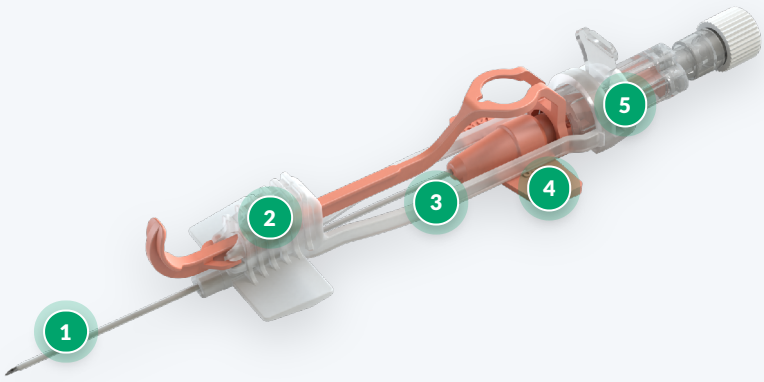
It is built so that an extended-dwell catheter can be placed by any trained IV inserter, on the ward, without a guidewire, a specialist team or a waiting list. A quick, simple insertion reduces handling time and the risks and costs of repeated cannulation.

Designed with both patients and caregivers in mind: the right line for patients receiving, or expected to receive, peripheral IV therapy for more than 48 hours.

With a dwell time of up to 29 days, M/29 reduces repeated catheter replacements and re-starts, for higher patient satisfaction and significant cost savings.

DESIGN FEATURES

IV cannula simplicity and cost, midline performance



1. **Notched needle**
   Quick blood flashback; ultrasound compatible
2. **Forward grip introducer**
   Grip near the entry point, no skin contact
3. **7.9–9.8 cm PU catheter**
   Keeps the tip centred in a larger vein*
4. **Soft wings**
   Stabilisation, fits sutureless securement
5. **Passive safety**
   Automatic needle protection on withdrawal

Increased stability
A longer catheter keeps the tip centred in the vein*

Inserts like a PIV
Over the needle, no guidewire or complicated training

No skin contact
Controlled grip near the entry point

Dwell up to 29 days
Reduces the need for catheter re-insertions

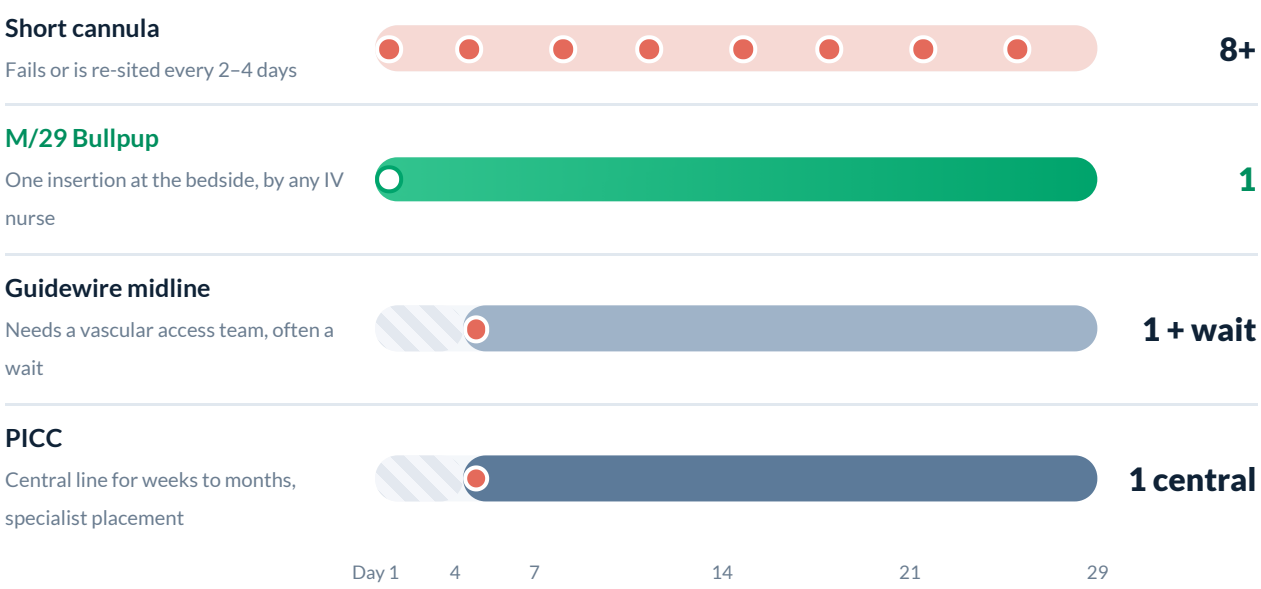
* Scientific Reports, volume 8, article 3441 (2018): tip angle and pressure on the vein wall drive mechanical failure; a longer, flexible catheter keeps the tip better centred in a larger vein.
** US and worldwide patents.

THE 4-TO-29-DAY GAP

Bridging the gap between PIV and PICC

Most IV patients stay longer than a cannula lasts, and far shorter than a PICC is meant for. Short cannulas often fail before therapy ends; guidewire midlines and PICCs need trained teams, equipment and time, so most ward patients never get one. M/29 is built for the patients in between.

One patient, four weeks of IV therapy. How many needle sticks?



≈50%

of short peripheral catheters fail before the end of treatment; the risk is higher in patients over 70.

CATHEVAL multicentre study, France · PLOS ONE 2016

5–7×

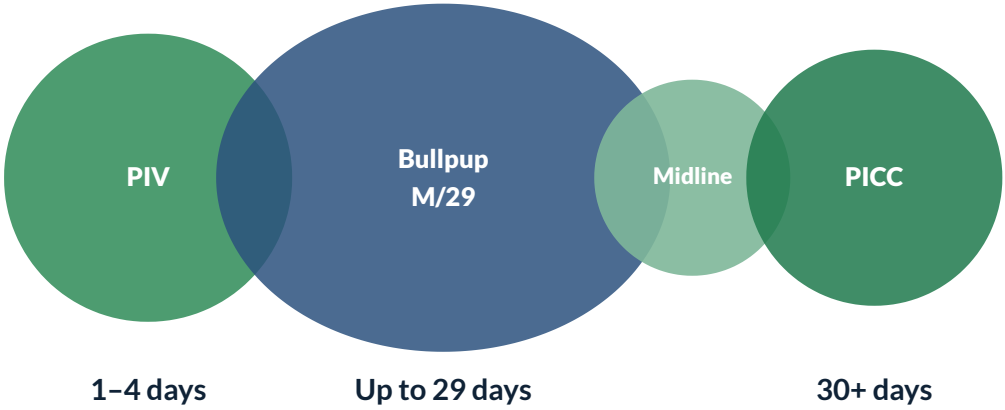
re-insertions are common for patients staying 10–15 days, according to ward nursing supervisors.

Feedback from hospital wards

As needed

Replace peripheral catheters when clinically indicated rather than routinely, which favours a line built to last.

Cochrane review CD007798



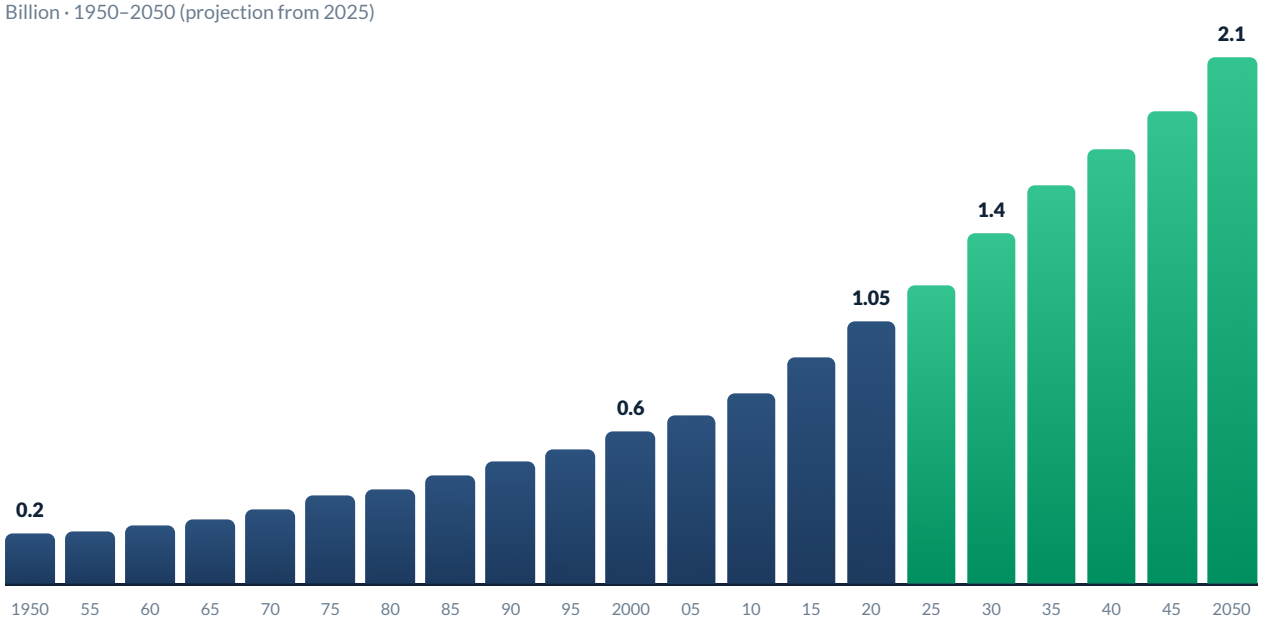
WHY NOW

A world not ready for an ageing population

The number of people aged 60 and older is expected to pass 2 billion by 2050. Older patients have fragile, difficult veins and longer hospital stays: exactly the patients whose cannulas fail again and again.

People aged 60 and older, worldwide

Billion · 1950–2050 (projection from 2025)



Source: United Nations, World Population Prospects (approximate values)

Get ready: the M/29 Bullpup

One line for the whole treatment instead of a new cannula every few days. Placed on the ward in about two minutes, without a guidewire or a specialist team, so the patients who need it most can get it on the first day.

In a large French study, the risk of cannula failure was higher in patients over 70 (CATHEVAL, PLOS ONE 2016).



KEY ADVANTAGES

Why hospitals choose M/29

- **Up to 29 days of dwell time**
  One insertion for the whole treatment
- **Standard PIV insertion procedure**
  Over the needle, in about two minutes
- **Cost-effective**
  Priced between a cannula and a guidewire midline
- **Forward grip**
  Fingers close to the tip for extra stability
- **Minimal training**
  A short in-service on the ward is enough
- **Fewer restarts and needle sticks**
  Higher patient satisfaction
- **Soft wings**
  Enhanced stabilisation
- **Deep vein access**
  Tip centred in a larger vein
- **Compatible with major sutureless devices**
  Fits existing securement practice
- **Power injection**
  Rated to 325 PSI for CT contrast

Imagine if you could...

- Extend IV cannula dwell time to up to 29 days
- Keep the tip centred in the vein
- Reduce the overall cost of multiple IV insertions
- Reduce catheter replacements and restarts
- Eliminate the need for guidewires and complicated training
- Achieve midline performance with an over-the-needle catheter

...with one product.

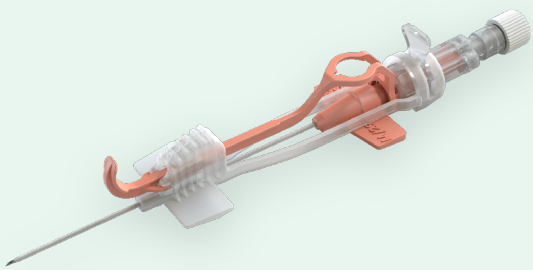
8+ **short cannulas over four weeks**



Re-sited every 2–4 days: a new needle stick each time.

=

1 **M/29 Bullpup, up to 29 days**



One insertion at the bedside, by any trained IV nurse.

CLINICAL EVIDENCE

Peer-reviewed data from routine hospital care

2.7% vs 21.8%
removed for occlusion, M/29 vs a guidewire midline, with the same dwell time
Warsaw University Clinical Centre · 2026

62.7% vs 44.5%
stayed in place until the end of therapy
Warsaw University Clinical Centre · 2026

130 s
average insertion time at the bedside; vasopressors given safely through the line in 22 patients
Rambam Health Care Campus · 2025

Sarek MM, Latos M. Comparison of use and maintenance of two types of long peripheral intravenous catheters inserted using the direct Seldinger technique and the over-the-needle method. Problemy Pielęgniarstwa 2026;34(2). · Weber Y, Cohn-Schwartz D, Khamis S, Neuberger A, Berger G. Safety and efficacy of a new long peripheral catheter in hospitalized patients. SAGE Open Medicine 2025;13:20503121251337197.

Specifications

Category	**Safety mini-midline IV catheter**
Indication	**Peripheral IV access up to 29 days**
Insertion	**Over the needle, ~2 minutes**
Gauges	**18G, 18G Long, 20G, 22G**
Catheter	**Polyurethane, 7.9–9.8 cm**
Pressure	**Rated to 325 PSI**
Imaging	**Ultrasound compatible**
Needle	**Notched, passive safety**
Regulatory	**CE · EU MDR · Class IIa**
Quality	**ISO 13485 manufacturing**

Product range

REFERENCE	MODEL	GAUGE	LENGTH	I.D / O.D (MM)	FLOW
10224620FY	Non-ported	22G	8.5 cm	0.62 / 0.90	18 ml/min
09224520FD	Ported	22G	7.9 cm	0.62 / 0.90	18 ml/min
10205920FY	Non-ported	20G	8.5 cm	0.78 / 1.10	40 ml/min
09205820FD	Ported	20G	7.9 cm	0.78 / 1.10	40 ml/min
10187020FY	Non-ported	18G	8.5 cm	0.95 / 1.30	70 ml/min
09186920FD	Ported	18G	7.9 cm	0.95 / 1.30	70 ml/min
46187420FY	Non-ported	18G Long	9.8 cm	0.95 / 1.30	60 ml/min

All models: 325 PSI · 25 units per box. Colours follow ISO 10555.

For a distributor near you

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