The **safer** and **more efficient** solution for CT scan injections
The complete Vygon CT-rated PICC range
Using IV contrast media in CT examinations improves diagnostic accuracy

PICC lines in practice
Though the preferred administration route is via a peripheral Intravenous (IV) cannula with powered injectors, in certain patient groups, peripheral IV access is difficult and central access may be the only available route for contrast enhancement. Where additional peripheral access is not possible, the preferred alternative is to use an existing PICC for contrast media injection. Circumstances such as this would likely occur with patients that have experienced extensive burns, lymphoedema or with patients where there is a need to preserve potential sites for future arteriovenous fistula formation.

Advantage of CT-rated PICC lines
• Preserves peripheral access with no need to cannulate the patient several times causing pain and damaging peripheral veins
• Prevents complications due to the avoidance of multiple and unsuccessful IV cannula placement attempts
• Offer reliable IV access where peripheral access is not possible.

Flow rate
• The primary consideration in any angiography or CT procedure
• Depends on the nature of the disease/organ and the type of procedure.
CT-rated PICC lines that allow flow rates up to 6 or 7ml/s increase the number of organs that can be examined using a CT procedure.

Higher flow rates up to 6ml/s or greater are frequently required for larger patients, and in general for shorter acquisitions.

Injection pressure
• New generations of CT contrast media injectors with pressure limit pre-settings of 325 PSI.
No need to change the injector pre-settings with PICCs that withstand 325 PSI, offering improved patient safety.
The next generation of 325 PSI scan injector
Safer for the patient, safer for the radiology technician

Produces a high flow rate which in turn creates better quality images and tissue visualisation

**CT PICC Easy**
Proximal trimming

**MaxFlo Expert®**
Agion® antimicrobial technology

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Technical requirements for contrast media delivery

<table>
<thead>
<tr>
<th>Parameters</th>
<th>CT</th>
<th>MRI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow rates</td>
<td>0.1-7ml/s</td>
<td>0.1-7ml/s</td>
</tr>
<tr>
<td>Injector pressure limit</td>
<td>325 PSI</td>
<td>325 PSI</td>
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Source: ECRI Report 2009 : Injectors, Contrast Media, Angiography, CT
CT PICC Easy

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References
2. ACR - ASNR - SPR Practice parameter for the performance and interpretation of cervicocerebral computed tomography angiography (CTA); Revised 2015 American College of Radiology
4. Contrast media injector with 325 PSI pressure limit: Medrad Spectris; Medrad Stellant D and 5x; Guerbet Optivantage DH
5. MRI Multi-modal CT scanning in the evaluation of cerebrovascular disease patients Vol4, No 3 (June 2014) Saba L et al.
6. Guide pratique d'imagerie diagnostique à l'usage des médecins radiologues (diagnosis imaging practical guide for radiologists), french society of radiology, updated 03/2013

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