EDA™ extravasation detection technology* is designed to aid in the detection of potentially harmful extravasations. By notifying and pausing injections if a clinically significant variation is detected, EDA helps technologists realize the full potential of high scanning speeds, giving them the confidence that their good technique is backed by leading-edge technology.

Duke University Medical Center data review of EDA technology†
Duke University Medical Center reviewed data collected over a 15-month period using the EmpowerCTA® Contrast Injection System for radiology, emergency, and outpatient care services. The review concluded that extravasation detection provides important benefits for both patients and CT staff, including:

- Minimizing contrast media (vesicant) extravasation and resulting skin damage
- Maximizing the CT staff’s ability to complete important diagnostic imaging procedures
- Quickly determining when there is no extravasation so that departmental workflow can continue without interruption

* EDA is designed to aid in the detection of extravasations and is not intended as a substitute for proper patient monitoring and good clinical practice.
† A Retrospective Review: Duke University Medical Center’s Experience with the Extravasation Detection Accessory (EDA) Technology; Donna Parker, RT, co-director, Duke CT Institute, Chief Technologist, Department of Radiology at Duke University Medical Center.
Detecting extravasation is critically important to patient safety during high injection flow rates:

<table>
<thead>
<tr>
<th>Volume (mL)</th>
<th>Flow Rate (mL/sec)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>2.0</td>
<td>Extravasation clinically significant, but not yet serious</td>
</tr>
<tr>
<td>40</td>
<td>4.0</td>
<td>Serious extravasation could occur with 40 mL bolus injected</td>
</tr>
<tr>
<td>100</td>
<td>10.0</td>
<td>Maximum rate could create a large 100 mL extravasation</td>
</tr>
</tbody>
</table>

**EDA extravasation detection technology** is one of several exclusive integrated, informative, and intuitive features of the EmpowerCTA® Contrast Injection System designed for optimal workflow and operational lab efficiency.

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**EmpowerCTA** is designed for the administration of nonionic and ionic compounds and flushing media in conjunction with computed tomography (CT) scanning of the body. The EDA is intended to detect extravasations of ionic and nonionic contrast media during powered CT contrast injections.