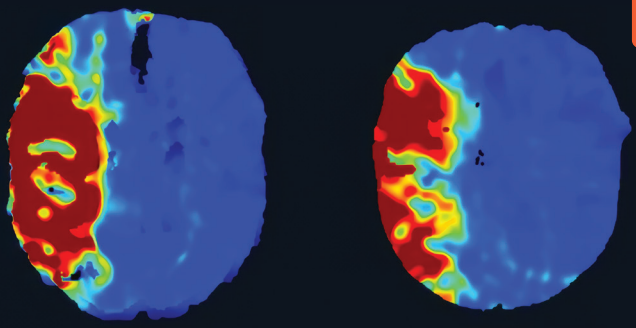
Cone-Beam CT Perfusion

Bringing **Advanced Perfusion Imaging** Into the **Angio Suite.**

PERFUSION WHERE IT MATTERS

- **Real-Time Tissue Assessment** - Intraprocedural, at the Point of Decision
- **Reperfusion at the Tissue Level** - Not Just the Vessel
- **Clinically Validated Biomarkers** - Backed by Peer-Reviewed Evidence
- **Zero-Click Workflow** - Insight Without Interrupting the Procedure

Tmax Perfusion Maps



Conventional CT Perfusion | Cone-Beam CT Perfusion

The maps available on CTP are now all available on **CBCT.**

Internal Comparison Report – Data From Bern University Hospital, Switzerland

RECENT PUBLICATIONS

~80% (52/65 patients)

no-reflow in recanalized patients

mTICI 2b-3 defined as Tmax > 6s on CBCT in the angio suite
Horie et al. (2025) Stroke

~25% (33/130 patients)

no-reflow in recanalized patients

mTICI 2c-3 defined as hypoperfusion on rCBV (>15% asymmetry) at 24hr
Ng et al. (2021) Neurology

~53% (80/151 patients)

no-reflow in recanalized patients

mTICI 2b-3 defined as Tmax > 6s on conventional CT within 30 mins
Rubiera et al. (2020) Stroke

~38% (183/488 patients)

leftover distal occlusions after thrombectomy

intermediate mTICI score of 2a-b due to residual occlusion after LVO thrombectomy (MCA-M1 & ICA Terminus)
Russo et al. (2021) World Neurosurgery

Cercare Medical

STROKE CARE

Perfusion In the Angio Suite.

- Supports *syngo* DynaCT Multiphase Data
- Immediate Visualization During Intervention
- Full Set of Conventional Biomarkers Including CBF, CBV, MTT
- Advanced Metabolic Biomarkers Including CTH, OEF, $CMRO_2$

BEFORE
THROMBECTOMY
Baseline tissue perfusion



CBCT PERFUSION
INTRAPROCEDURAL ASSESSMENT
IN THE ANGIO SUITE

AFTER
THROMBECTOMY
Confirm reperfusion, beyond vessel reopening

THE PROBLEM

What We Face Today

Even after Thrombectomy

- Reperfusion May Be Incomplete
- Distal Occlusions May Be Missed
- Microvascular Dysfunction May Be Undetected

THE SOLUTION

Oxygen Metabolism Biomarkers

In the Angio Suite

- Intraprocedural Real-Time Tissue Assessment
- Clinically Validated Biomarkers
- Zero-Click Workflow

CLINICAL WORKFLOW

1. Contrast Injection
2. CBCT Acquisition
3. Automated Generation of Perfusion Maps
4. Direct Display on Angio Suite Monitors for Immediate Presentation

Cercare Medical's Cone-Beam CT Solution is FDA Cleared and CE Marked.