Canon

Collaborative imaging
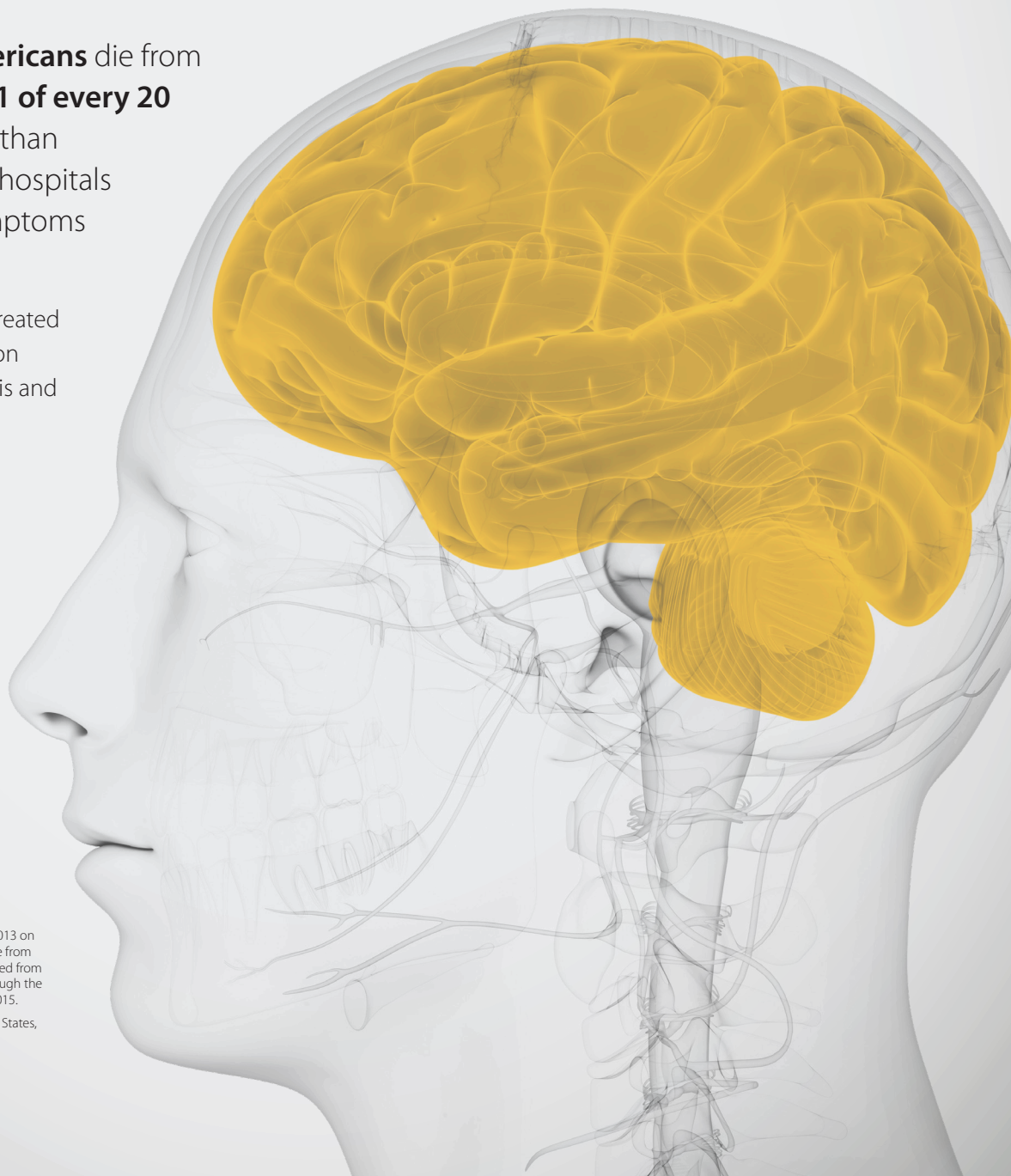
Each year, **130,000 Americans** die from **stroke**,[1] accounting for **1 of every 20 deaths** in the U.S. More than **3.7 million** people visit hospitals and EDs with stroke symptoms annually.[2]

Each minute a stroke goes untreated means the brain loses 1.9 million neurons. Thus, speedy diagnosis and treatment are critical.

Collaborative Imaging from Canon Medical Systems delivers the fast, detailed, intelligent brain imaging and diagnostics needed for stroke assessment and triage. It is a complete intelligent stroke solution, throughout every step of the care cycle.

[1] Source: CDC, NCHS. Underlying Cause of Death 1999-2013 on CDC WONDER Online Database, released 2015. Data are from the Multiple Cause of Death Files, 1999-2013, as compiled from data provided by the 57 vital statistics jurisdictions through the Vital Statistics Cooperative Program. Accessed Feb. 3, 2015.

[2] Vital Signs: Recent trends in stroke death rates – United States, 2000-2015. MMWR 2017;66.

[2] Source: Stroke – AHA Journals. Saver JL. Time Is Brain— Quantified on NCBI Online Database, released 2006. https://www.ahajournals.org/doi/pdf/10.1161/01. STR.0000196957.55928.ab. Accessed Dec. 12, 2018.

Collaborative imaging

SCAN

Canon Medical Systems' world class scan technology with intelligent positioning, personalized protocols and intelligent reconstruction with wide open architecture can help improve the patient experience.

Our suite of Collaborative Imaging tools delivers quick, accurate and detailed brain imaging to improve stroke evaluation and workflow. Features include:

- **NeuroLine+** — available on our suite of MR systems — assists with scan positioning for brain imaging and enhances efficiency and reproducibility via intelligent alignment algorithms.

- **Aquilion ONE / GENESIS Edition** provides a comprehensive stroke evaluation to help you quickly find the source of stroke with Neuro ONE Protocol, which delivers whole brain perfusion and dynamic CTA in one exam and Forward projected model-based Iterative Reconstruction SoluTion (FIRST) MBIR* technology to provide improved low contrast and spatial resolution.

DIAGNOSE & TREAT

Collaborative Imaging delivers fast, intelligent diagnostic applications and triage capabilities to save valuable time.

Collaborative Imaging's diagnostic and treatment applications include:

- **Vitrea 4D Neuro Perfusion** that evaluates flow and perfusion deficits in order to identify the affected brain tissue in under 5 minutes.

- **Alphenix 4D CT** enables stroke triage and intervention — all in one room. Its innovative pairing of an interventional lab and CT may help you to expand treatment capabilities and save valuable time.

- **Olea Sphere* 3.0** from Olea Medical enables you to make clinical decisions with more confidence, consistency and speed thanks to its auto-stroke quantitative calculation of DWI-PWI mismatch with full volumetric assessment of infarct, penumbra and mismatch ratio.

ANALYZE

Canon Medical Systems delivers intelligent analytics to help facilities improve clinical, operational and financial outcomes — and deliver optimal patient-centric care.

With analytics powered by Vitrea Intelligence and CodeX, practices can strive to achieve:

- **Improved** operational outcomes via prescriptive analytics.
- **Reduced** clinical risks.
- **Better** dose efficiency and safety with dose management and reporting across the organization — per equipment and operator.
- **Enhanced** clinical workflows and operations thanks to Patient Cohort Analysis.
- **Standardization** of acquisition protocols across equipment, models and locations.

Experience enhanced clinical operations, thanks to intelligent analytics with Collaborative Imaging.

*Model-based Iterative Reconstruction

SHARE

Our suite of integrated applications securely enables intelligent information sharing so clinicians can:

- **Refresh** relevant clinical information from disparate sources and deliver it to the point of care with Vitrea Connection.

- **Integrate** images into the clinical workflows across devices and networks with Vitrea View Enterprise Viewer.

- **Manage** and reduce risk by addressing system vulnerabilities with Canon Medical Systems' Cybersecurity capabilities.

Because of our partnerships with leading enterprise imaging companies, all data — regardless of vendor or system — is seamlessly integrated, optimized and shared across all networks.

Experience intelligent content orchestration across your network — so you can focus on what matters most, the patient — thanks to Collaborative Imaging.

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