Kaleida Health’s Stroke Care Center at the Gates Vascular Institute completed a three-phase, non-controlled study analyzing the patient and fiscal benefits of using Toshiba Medical’s Aquilion™ ONE CT system for diagnosing acute stroke.

**RESULTS:** Contained costs while delivering high-quality, effective patient care

- $5.4 million annualized savings over four years
- Full-day reduction in average patient length of stay (ICD-9-CM: Unspecified Cerebral Artery Occlusion with Cerebral Infarction)
- 67% improvement in patients discharging to home (ICD-9-CM: Cerebral Embolism with Cerebral Infarction)
- 100% reduction in patients discharging to intermediate care facility (ICD-9-CM: Unspecified Transient Cerebral Ischemia)
- 19% reduction in patients discharging to rehab (ICD-9-CM: Unspecified Cerebral Artery Occlusion with Cerebral Infarction)

Inpatient data sets from July to September 2007, prior to the Aquilion ONE installation, were compared with data sets from July to September 2009 (phase one), July to September 2010 (phase two), and from July to September 2011 and July to September 2012 (phase three), which utilized the Aquilion ONE, and concerned the top three discharging ICD-9-CM codes. Full data sets and study methodology available.