

### Most Advanced Video over Internet Technologies

- Two (2) Patent-Pending Error Correction methods
- Automatic link measurement and configuration
- Dynamic link monitoring
- Five (5) Patents Pending

### Clinically Proven

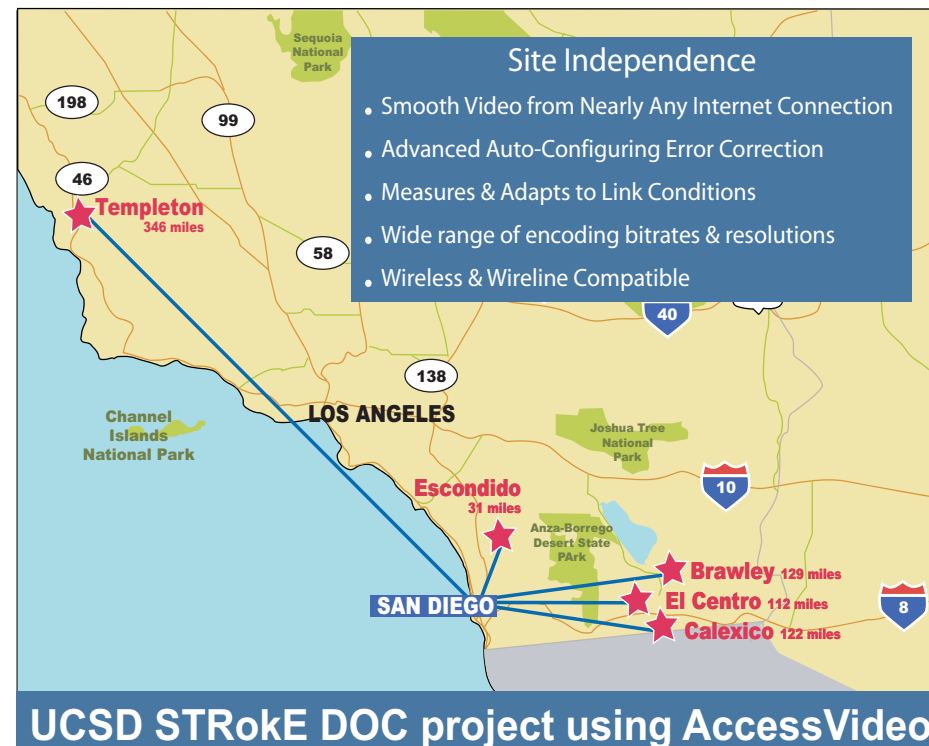
Meyer et al. Neurology.2005; 64: 1058-1060

### Field Proven - NIH Approved

### Site Independent

### HIPAA Compliant

### Designed Specifically for Telemedicine

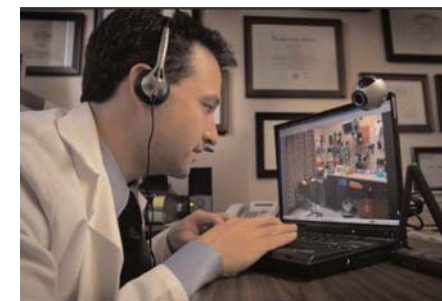


AccessVideo Server at Brawley, CA

THURSDAY  
FEBRUARY 5, 2004

# The San Diego Union-Tribune.

EAST COUNTY  
50¢  
TAX INCLUDED



By Cheryl Clark

## Diagnosis by laptop extends medicine's reach

When Imperial Valley welder Davin Brigman was suddenly paralyzed along his entire right side in August, he was actually very lucky.

The emergency team at Pioneers Memorial Hospital in Brawley, where he was driven by his wife, had just set up a video camera system that linked Brigman, 32, to a stroke expert 125 miles away at UCSD's Thornton Hospital in La Jolla.

There, from his wireless laptop computer, Dr. Brett Meyer had a near-perfect view of Brigman as well as all of his scans and tests. It was almost as if they were in the same room.

Zooming in through the camera's lens, Meyer noted Brigman's inability to move his right arm and leg or the muscles on the right side of his face – classic signs of stroke.

"The camera is so good, we can see the patient's pupils and watch his eye movements," Meyer said.

"Within moments, Meyer sized up Brigman as one who would probably benefit from an injection of TPA, a drug proven to bust clots in arteries that take oxygen-carrying blood to the brain. Brigman's symptoms had come on less than three hours before, so there was just enough time for TPA to prevent long-term damage.

A few hours after the injection, Brigman's paralysis almost disappeared, Meyer said.

"This man was looking at a lifetime of being crippled," said Dr. Michael Berger, emergency room director at Pioneers. "Instead he was saved. And what we've accomplished is to get the very best experts in stroke to make decisions for these patients right here."

"The camera is so good, we can see the patient's pupils and watch his eye movements."

"We can evaluate stroke patients regardless of where we or they are located."

"That saves time, and time saves brain."

Meyer said.

Brigman, who lives with his wife, Jessica, and their three children in Imperial, just north of El Centro, said he's regained 95 percent of his right-side function. "I'm doing very good now, and I'm very grateful," he said.

Meyer and Dr. Patrick Lyden, director of the UCSD Stroke Center, launched the study, called STRoKE DOC, to learn whether wireless high-speed Internet links can help specialists prevent damage in patients hundreds of miles away. They believe it can.

A report on their Internet diagnosis of 25 stroke patients will be presented today as 3,000 clinicians and scientists from around the world gather in San Diego for the American Stroke Association's annual meeting.

The wireless link has enabled the specialists to examine brain images, to scan test results and to observe symptoms even while stuck in traffic or visiting a friend, as long as the physicians have a laptop and wireless modem handy.

"We can evaluate stroke patients regardless of where we or they are located," Meyer said. "That saves time, and time saves brain."