



TOUCHDOWN!

Thanks to the history-making efforts of paramedics in Los Angeles and Orange Counties, the drive to 1,700 FAST-MAG enrollments is ending. We expect the last patient to be enrolled sometime in the next two months. You can help get us there by following the “10 Easy Steps to an Enrollment” (see below).

Then what?

Within 48 hours of the final enrollment, a member of the FAST-MAG team will contact the paramedics on duty to request that they remove the blue binder from the rig and put it in their office. The binders will be collected within one week. If you have FAST-MAG materials in more than one location, please be sure to put everything in the office.

For the overall FAST-MAG study team, once the 1,700th patient is enrolled, there is still much to do. Study data collection will continue for another 3 months, until the 1700th patient has his/her 90-day follow-up visit. In the meantime, staff will be working to ensure that the information in the study database is accurate. After all data for all patients has been entered and the database is locked, the blind will be broken and we will find out whether or not magnesium sulfate improves long-term functional outcome in

acute ischemic stroke patients. The study results will then be submitted for publication in a major medical journal. We will also report back the study results to the Los Angeles and Orange County communities.

Assuming that the results of the study are positive, the next step will be to apply to the Food and Drug Administration to approve magnesium sulfate for use in stroke patients. Upon approval by the FDA, each EMS agency will determine whether to stock magnesium sulfate in their rescue units. If your EMS agency approves magnesium in the pre-hospital setting – as a now-proven intervention – treatment could be given for all qualifying patients, without need for randomization or special research consent.

The future of pre-hospital research

FAST-MAG has demonstrated that it is possible to conduct clinical research in the field safely and to provide therapy to acute stroke patients in an earlier time frame than previously thought possible. We expect that many promising therapies for prehospital therapies for stroke and other neurologic emergency conditions will be able to be tested and shown beneficial when given in the field, based on the FAST-MAG study model.



Ten Quick Steps To A FAST-MAG Enrollment

- Identify potential stroke patient and perform LAPSS
- If LAPSS positive (all items are yes), determine destination
- Find hospital specific consent
- Briefly introduce the study to the patient or representative
- If patient is interested, call the enrolling MD, *keeping family/friends close-by*
- MD explains the study and obtains consent
- When the MD says to do so, have the patient or representative sign and date the green pages
- When the MD gives you the order, hang the GREEN field dose
 - ** Must begin field dose before crossing the ED threshold ***
- Complete the transport
- Give ED RN the informed consent, the YELLOW bag, the completed LAPSS (front and back) and a legible copy of the run sheet

FACE TO FACE

One of the challenges of FAST-MAG is that we need to obtain explicit research consent from patients or family members. FAST-MAG innovated the use of cell phones to obtain consent, allowing physicians to perform the consent while paramedics could proceed with patient care. Now FAST-MAG is advancing this innovation to the next level – video cell phones.

Over the last few months, randomly selected rigs have been equipped with video cell phones for FAST-MAG enrollment calls. We will be formally testing whether patients and family members are more satisfied with the consent

process when they can see the enrolling MD in addition to talking to the enrolling MD. Based on anecdotal comments from the first patients enrolled via video cell phone, there seems to be a greater degree of satisfaction and comfort with the enrollment process when compared to patients enrolled using a regular cell phone. As for the paramedics who have enrolled patients using the cell phone, they too have provided positive feedback. Mobile telemedicine is a coming aspect of prehospital care and FAST-MAG and Los Angeles and Orange County paramedics are leading the way.

Enrollments by EMS Agency — Through October 31, 2012

Los Angeles City FD	605
Los Angeles County FD	547
Long Beach FD	71
Torrance FD	56
Pasadena FD	46
Santa Monica FD	42
Orange Co. Fire Authority	28
Glendale FD	27
Burbank FD	26
La Verne FD	24
Redondo Beach FD	18
Manhattan Beach FD	16
Arcadia FD	15
Downey FD	15
San Marino FD	14
South Pasadena FD	13
West Covina FD	12
Culver City FD	11
Fullerton FD	9

El Segundo FD	9
Compton FD	8
Monrovia FD	8
Newport Beach FD	8
Huntington Beach FD	6
Beverly Hills FD	4
Montebello FD	4
Monterey Park FD	4
Laguna Beach FD	4
Hermosa Beach FD	3
Fountain Valley FD	3
Santa Fe Springs FD	3
Brea FD	3
Alhambra FD	3
San Gabriel FD	2
Sierra Madre FD	2
City of Vernon FD	2
Garden Grove FD	1

FAST-MAG Cumulative Enrollments

