The European Stroke Initiative –
Reducing the Incidence & Impact of Stroke

The next EUSI Stroke Summer School will be held in Barcelona, from June 25th to June 29th. The course will consider all the most relevant aspects in stroke, from basic research, to diagnosis, treatment and rehabilitation. Further information will be available at the EUSI website: www.eusi-stroke.com

SCIENTIFIC PROGRAM

June 25th, Monday: Topic 1
**A TRANSLATIONAL APPROACH TO THE BIOLOGY OF STROKE**
1. Understanding cell death and repair
2. A global view of the neurovascular unit
3. Neurogenesis and stem cells in stroke
4. The brain and the immune system: two super systems closely linked
5. Intracranial atherosclerosis: Mechanisms of disease progression

June 26th, Tuesday: Topic 2
**NEUROIMAGING AND ULTRASOUNDS: A GROWING GUIDE TO STROKE THERAPY**
1. Imaging the ischemic brain in experimental conditions
2. Multimodal brain computed tomography and MRI in acute stroke
3. Transcranial Doppler Ultrasonography at the bed side
4. Endovascular therapy for acute stroke and secondary prevention
5. An integrated view of salvageable brain tissue and successful reperfusion

June 27th, Wednesday: Topic 3
**TREATMENT CONCEPTS, ORGANIZATION OF CARE … AND MORE**
1. The model of acute stroke care delivery in Catalonia
2. Antithrombotics for acute stroke
3. Aspirin failure and evaluation of platelet resistance
4. Stroke genetics: where are we?
5. The search of biomarkers of acute stroke
6. Prognostic factors in acute stroke

June 28th, Thursday: Topic 4
**STROKE THERAPY**
1. Stroke units and general treatment of acute stroke
2. Intracerebral hemorrhage: Recent progress in pathophysiology and treatment
3. Cerebral venous thrombosis
4. New thrombolytic agents and treatment windows
5. Stenting versus surgery for stroke prevention
6. The core of effective stroke care provision

June 29th, Friday: Topic 5
**A MULTIDISCIPLINARY APPROACH TO STROKE PREVENTION**
1. Introduction
2. Management of hypertension for secondary stroke prevention
3. Management of lipids for secondary stroke prevention
4. Management of diabetes for secondary stroke prevention
5. Coronary assessment after stroke
6. Is there still a chance for neuroprotection in acute stroke?
7. Antiplatelets for stroke prevention: Recent trial
8. Conducting stroke trials in the era of available off-label drugs and devices