

Neurosurgical Emergency/Critical Care Symposium in Japan

2023/ 10/9 12:00-18:00

Abstract



Dr.DaiWai Olson

UT Southwestern Medical
Center, USA

Lecture 4 -Application of quantitative pupillometry to the Neurocritical Care-

After confirming the limited reliability of subjective manual examination of the pupillary light reflex the world has embraced the advanced technology afforded by automated infrared pupillometry. Simultaneously, critical care nurses and physicians have struggled to determine how best to incorporate pupillometry into practice. This session will briefly cover the foundational research supporting pupillometers and then highlight some of the newest and most groundbreaking research on using of pupillometry in emergency and critical care evaluation of the neurocritically ill patient. The session will close by providing a case study to demonstrate the utility of pupillometers in clinical practice.