

3rd RAP Seminar

The 3rd Seminar on RIKEN Center for Advanced Photonics

Language: Japanese

Date : **July 26(Fri), 2013, 15:00 ~16:00**

Location : **Sendai Campus, 1F Seminar Room**
(仙台キャンパス 1Fセミナー室)

Wako: Cooperation Center, 3F, W319, TV relay
(和光 : 研究交流棟3階会議室W319 (TV会議))

Title: **Limitation of Neuroimaging
from Neurosurgeon's Point of View**

Speaker : **Dr. Kazuaki FUKASAKU**
(Himonya Hospital)

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Imaging is really important for the diagnosis in the field of neurosurgery. With advanced imaging technologies, various brain diseases, from very early stage of cerebral infarction to gradually progressing degenerative diseases, are made possible to diagnose. At the same time, improved imaging also enabled so called image guided surgery, as if navigation in motor car driving. Recently, craniotomy, open skull surgery, also uses such navigation system. Neurointervention, treatment using fine tubes (microcatheters, etc) deeply depends upon imaging technologies. However, each modality has its own limitations. I hope to show several clinical imaging modalities and also a few existing limitation of imaging modalities, which I hope all of you would kindly solve.