

11th November, Thursday

The Grand Court 7th floor (ANA Crowne Plaza Hotel Grand Court Nagoya)
Evening Seminar

English Session

15 : 00 ~ 15 : 10 Opening speech

Yoshihisa Kida, M.D. (President of the 2nd Asian and the 14th Japanese LGKS Meeting)
(Department of Neurosurgery, Komaki City Hospital, Komaki, Aichi, Japan)

15 : 10 ~ 16 : 50 Functional aspects of radiosurgery

Moderator : Yoshihisa Kida(Department of Neurosurgery, Komaki City Hospital, Komaki, Aichi, Japan)

15 : 10 ~ 15 : 30 MEG informations for epilepsy surgery and radiosurgery discussion the value of MEG and the future prospects

Chun Kee Chung
Professor of Neurosurgery, Seoul National University Hospital, Seoul, Korea

15 : 30 ~ 15 : 50 Gamma knife radiosurgery in patients with temporal lobe epilepsy

Jung-Kyo Lee
Ulsan University, College of Medicine Seoul Asan Medical Center, Seoul, Korea
Commentator : Satoshi Maesawa

Department of Neurosurgery, Nagoya University Graduate School of Medicine,
Aichi, Japan

15 : 50 ~ 16 : 10 Gamma knife radiosurgery for intractable pain

Motohiro Hayashi
Department of Neurosurgery, Tokyo Womens Medical University, Tokyo,
Saitama Gamma Knife Center, Saitama,
RIT Kasai Gamma knife center, Tokyo, Japan

16 : 10 ~ 16 : 30 Gamma thalamotomy for tremors

Taku Ochiai
Ochiai Brain Clinic, Saitama, Japan

16 : 30 ~ 16 : 50 Intracranial schwannomas : scoring system evaluating total outcome

Toshinori Hasegawa
Department of Neurosurgery, Komaki City Hospital, Komaki, Aichi, Japan
Commentator : Masazumi Fujii

Department of Neurosurgery, Nagoya University Hospital, Nagoya, Aichi, Japan

12th November, Friday

Room1 International Conference Room(3rd floor of Bldg.)

English Session

09:00 ~ 09:10 Opening speech

Yoshihisa Kida, M.D. (President of the 2nd Asian and the 14th Japanese LGKS Meeting)
(Department of Neurosurgery, Komaki City Hospital, Komaki, Aichi, Japan)

09:10 ~ 10:00 General session : Vestibular schwannomas

Moderator : Yoshiyasu Iwai (Osaka City General Hospital, Osaka, Japan)
Chain-Fa Su (Buddhist Tzu Chi General Hospital, Hualien, Taiwan)

- GS-1 Long term results in gamma knife radiosurgery for tiny intracanalicular vestibular schwannoma
Chain-Fa Su
Department of Neurosurgery, Buddhist Tzu Chi General Hospital, Hualien, Taiwan
- GS-2 Relation of radiation dose with cranial nerve preservation and tumor control in acoustic neuroma treated with gamma knife surgery
Chuan-Fu Huang
Gamma Knife Center, Department of Neurosurgery, Chung-Shan Medical University and Hospital
- GS-3 Incidence and risk factors of hydrocephalus following GKRS in the vestibular schwannoma
Won Ho Cho
Department of Neurosurgery, Pusan National University School of Medicine
- GS-4 Gamma knife radiosurgery for trigeminal schwannomas
Yoshiyasu Iwai
Department of Neurosurgery, Osaka City General Hospital, Osaka, Japan
- GS-5 Gamma knife surgery for intracavernous sinus abducens nerve schwannomas
Motohiro Hayashi
Department of Neurosurgery, Tokyo Womens Medical University,
Saitama Gamma Knife Center, Saitama, and RIT Kasai Gamma Knife Center, Tokyo, Japan

10:00 ~ 11:00 Symposium : Brain metastasis

Moderator : Takashi Shuto (Yokohama Rosai Hospital, Yokohama, Japan)
Jeremy C.Ganz (Gamma Knife Center, Cairo)

- S -1 Retrospective review of GKS alone for patients with brain metastases meeting the JLGK0901 criteria
Toru Serizawa
Tokyo Gamma Unit Center, Tsukiji Neurological Clinic, Tokyo, Japan
- S -2 GKRS for 2000 met patients : tumor number impacts survival period but not cause of death
Masaaki Yamamoto
Katsuta Hospital Mito GammaHouse, Hitachi-Naka, Japan

S -3 Gamma knife radiosurgery for multiple (4 or more) metastatic brain tumors
Se-Hyuk Kim
Gamma Knife Center, Department of Neurosurgery, Ajou University School of Medicine,
Suwon, Korea

S -4 Increases in the number of brain metastases detected at thin-slice MRI for gammaknife planning
Aiko Nagai
Nagoya City University Graduate School of Medical Sciences, Japan

11:00 ~ 11:50 Special presentation

Moderator : Yoshihisa Kida (Department of Neurosurgery, Komaki City Hospital, Komaki, Aichi, Japan)
SP- 「 Intracranial dural arteriovenous fistulas :
a 15-year experience with gamma knife radiosurgery 」
David Hung-Chi Pan
Department of Neurosurgery, Taipei Veterans General Hospital Taipei, Taiwan

13:30 ~ 15:15 Symposium : Long-term complication

Moderator : Toru Serizawa (Tsukiji Neurological Clinic, Tokyo, Japan)
Do Hoon Kwon (University of Ulsan, Asan Medical Center, Seoul, Korea)

S -1 Complications of gamma knife radiosurger for orbital apex tumors two cases report
Yoshiyasu Iwai
Department of Neurosurgery, Osaka City General Hospital, Osaka, Japan

S -2 Preventing morbidity of gamma knife radiosurgery by integrating tractography
Tomoyuki Koga
Department of Neurosurgery, The University of Tokyo Hospital, Japan

S -3 Gamma knife for residual skull base meningiomas : protective planning for cranial nerve function
Masahito Kobayashi
Neurosurgery, Saitama Medical University, Saitama Japan
Neurosurgery, Mihara Memorial Hospital, Gunma Japan

S -4 Has advent of the gammaplan system contributed to better treatment results in GKRS for AVM patients?
Masaaki Yamamoto
Katsuta Hospital Mito GammaHouse, Hitachi-Naka, Ibaraki, Japan

S -5 Treatment strategy for late complications following gamma knife surgery for AVMs
Takashi Shuto
Department of Neurosurgery, Yokohama Rosai Hospital, Yokohama, Japan

S -6 New nidus formation adjacent to the target site of AVM treated with gamma knife radiosurgery - report of 3 cases
Do Hoon Kwon
University of Ulsan, Asan Medical Center, Seoul, Korea

- S -7 Gamma knife surgery in multidisciplinary strategy for arteriovenous malformations : to prevent the adverse events

Masahiro Shin

The University of Tokyo Hospital, Department of Neurosurgery, Tokyo, Japan

15 : 15 ~ 15 : 55 General session : Pain

Moderator : Shinji Matsuda (Chiba Cardiovascular Center, Chiba, Japan)

Mikhail Chernov (Tokyo Women's Medical University, Tokyo, Japan)

- GS-6 Gamma knife radiosurgery outcomes for trigeminal neuralgia patients with severe medical illnesses

Hung-Chuan Pan

Department of Neurosurgery, Taichung Veterans General Hospital, Taichung, Taiwan

- GS-7 Gamma knife radiosurgery for essential trigeminal neuralgia : dose related outcomes

Jung-Kyo Lee

Ulsan University, College of Medicine, Asan Medical Center, Seoul, Korea

- GS-8 Long-term results of gamma knife surgery for trigeminal neuralgia in chiba cardiovascular center

Shinji Matsuda

Gamma House, Chiba Cardiovascular Center, Ichihara, Japan

- GS-9 Gamma knife radiosurgery for secondary trigeminal neuralgia
-selection of treatment strategy-

Hiroyuki Kenai

Department of Neurosurgery, Nagatomi Neurosurgical Hospital, Oita, Japan

15 : 55 ~ 16 : 10 Coffee break

16 : 10 ~ 17 : 00 General session : AVM

Moderator : Hidefumi Jokura (Furukawa Seiryō Hospital, Furukawa, Japan)

Chuan-Fu Huang (Chung-Shan Medical University and Hospital, Taichung, Taiwan)

- GS-10 Gamma knife radiosurgery for intracranial arteriovenous malformations in children and adolescents

Young-Hoon Kim

Department of Neurosurgery, Seoul National University College of Medicine

Seoul National University, Hospital, Seoul, Korea

- GS-11 Lessons from 1,000 AVM cases who treated with gamma knife radiosurgery

Do Hoon Kwon

University of Ulsan, Asan Medical Center, Seoul, Korea

- GS-12 Late complications of cerebral AVMs after gamma-knife radiosurgery : pathohistology findings

Cheng-Chia Lee

Department of Neurosurgery, Neurological Institute, Taipei Veterans General Hospital, Taiwan

School of Medicine, National Yang-Ming University, Taipei, Taiwan

GS-13 GKsurgery for cerebellar AVM

Moo-Kim Seong
Neurosurgery dept., Inje University Busan Paik Hospital, Busan, Korea

GS-14 Gamma knife radiosurgery for cerebral arteriovenous malformation

Maheep Singh Gaur
Kumud Chawla Gamma Knife Center

17:00 ~ 17:30 General session : AVM and other vascular disorders

Moderator : Jung Il Lee (Samsung Medical Center, Sunkyukwan University School, Seoul, Korea)
Toshinori Hasegawa (Komaki City Hospital, Nagoya, Japan)

GS-15 Gamma knife radiosurgery for dural carotid-cavernous sinus fistula

Ming-Hsi Sun
Department of Neurosurgery, Taichung Veterans General Hospital, Taichung, Taiwan

GS-16 Management of symptomatic cavernous malformations in the brainstem

Takashi Yamamoto
Komaki Municipal Hospital, Aichi, Japan

GS-17 Gamma knife radiosurgery for cavernous malformations : the PNUH experience

Chang Hwa Choi
Department of Neurosurgery, Pusan National University School of Medicine, Pusan, Korea

19:30 ~ 21:00 Reception party

(The Grand Court” 7th floor, ANA Crowne Plaza Hotel Grand Court Nagoya)

12th November, Friday

Room2 Room 234 (3rd floor of Bldg.)

Japanese Session

09:20 ~ 10:00 General session : Imaging and dose planning (患者管理 線量計画)

座長 : 臼倉 政雄 (東京女子医科大学病院画像診断核医学部)

GS-18 ガンマナイフ治療を受ける患者の疼痛軽減を目指して
~ フレーム装着時の疼痛軽減に向けたケア介入 ~

済生会熊本病院 混合病棟 井手口 恵

GS-19 ガンマナイフ治療における患者の医療被ばくについて

社団法人 八日会 藤元早鈴病院 ガンマナイフセンター 堀之内隆夫

GS-20 三叉神経痛ガンマナイフ治療前後における生活調査の試み : ガンマナイフ看護師による新しい患者ケア

三愛病院 さいたまガンマナイフセンター 林 ユキ

GS-21 同一症例におけるガンマナイフとトモセラピーの線量分布の比較

社会福祉法人恩賜財団済生会熊本病院中央放射線部 上口 秋彦

10:00 ~ 11:00 General session : Dose planning (線量計画)

座長 : 永野 修 (千葉循環器病センター 脳神経外科)
橋口 尚貢 (中村記念病院 放射線部)

GS-22 ガンマナイフ遠隔治療システムにおけるフレーム取り付け支援

東京女子医科大学病院画像診断核医学部 臼倉 政雄

GS-23 MRI 装置更新に伴う撮影条件の検討 (1)

財) 脳血管研究所 美原記念病院 画像診断科 山路 勇護

GS-24 MRI 装置更新に伴う撮影条件の検討 (2)

財) 脳血管研究所 美原記念病院 画像診断科 阿部 祐次

GS-25 ガンマナイフ遠隔治療システムの使用経験

東京女子医科大学 脳神経外科 奥富 幸至

GS-26 ポラリス圧可変式バルブ (ソフィサ) によるガンマナイフ治療計画用 MRI 画像への影響

浅ノ川総合病院 定位放射線外科センター 長谷川拓平

GS-27 Defocus 時間での散乱線量の測定

中村記念病院 放射線部 橋口 尚貢

12:10 ~ 13:00 Lunch-on seminar

Moderator : Tatsuya Kobayashi (Nagoya Kyoritsu Hospital, Nagoya, Japan)

「The treatment strategy of AVM & DAVF」

Makoto Negoro

Department of Neurosurgery, Fujita Health University School of Medicine, Toyoake, Japan

13:00 ~ 13:30 Coffee break

13:30 ~ 14:10 General session : AVM and others (脳動静脈奇形他)

座長 : 川岸 潤(古川星陵病院 鈴木二郎記念ガンマハウス)

GS-28 AVM に対する ADCT の有用性

千葉県循環器病センター 検査部放射線科 高橋 旭

GS-29 Evaluation of residual arteriovenous malformations following gamma knife radiosurgery: comparison of 3-dimensional time-of-flight MR angiography and digital subtraction angiography

Jun Kawagishi

Jiro Suzuki Memorial Gamma House, Furukawa Seiryō Hospital, Japan

GS-30 ガンマナイフ・パーフェクションによる頭蓋外病変の治療経験

熱海所記念病院 脳神経外科 中谷幸太郎

GS-31 スロット付きフロントピースを用いた4点固定の有用性

医療法人 清仁会 洛西シミズ病院 放射線科 神内 満

14:10 ~ 15:20 General session : Malignant tumors (その他の悪性腫瘍、転移性脳腫瘍)

座長 : 平井 達夫(藤枝平成記念病院)

GS-32 頭蓋内巨大悪性リンパ腫の治療経験

秋田県立脳血管研究センター 河合 秀哉

GS-33 血管周皮腫に対する治療戦略

たかの橋中央病院 ガンマナイフセンター 秋光 知英

GS-34 大きな転移性脳腫瘍に対する2分割定位放射線治療

京都府立医科大学大学院 脳神経機能再生外科学 会田 和泰

GS-35 大きな転移性脳腫瘍に対するガンマナイフ治療の検討

茅ヶ崎徳洲会総合病院 ガンマナイフセンター 小佐野靖己

GS-36 大きな転移性脳腫瘍に対する分割照射の経験

藤元早鈴病院 脳神経外科 八代 一孝

GS-37 転移性脳腫瘍におけるガンマナイフ治療後の再発に関連する因子についての検討

秋田県立脳血管研究センター 河合 秀哉

GS-38 乳癌脳転移に対するガンマナイフ治療

~初回治療時の脳転移個数と乳癌表現型を考慮した治療適応の検討~

横浜労災病院 脳神経外科 松永 成生

12th November, Friday

Room3 Room 232 & 233(3rd floor of Bldg.)

Poster Session

13:00 ~ 13:30 Poster presentation : Group A

Moderator : Yoshimasa Mori(Nagoya Kyoritsu Hospital, Nagoya, Japan)

- PA-1 A case of trigeminal neuralgia associated with cerebellar arteriovenous malformation
Yoshimasa Mori
Nagoya Radiosurgery Center, Nagoya Kyoritsu Hospital, Nagoya, Japan
- PA-2 Radiosurgery of epidermoid tumors - possibility of nerve decompression or neuromodulation
Takenori Kato
Komaki Municipal Hospital, Aichi, Japan
- PA-3 Glossopharyngeal neuralgia
Masayuki Yoshimoto
Komaki City Hospital, Aichi, Japan
- PA-4 Occlusive hyperemia after gamma knife radiosurgery for arteriovenous malformations.
Atsuya Akabane
Gamma Knife Center, NTT Medical Center Tokyo, Japan
- PA-5 The variable ellipsoid modeling technique as a verification method for the treatment planning system of GKRS
Beong Ik Hur
Department of Neurosurgery, Pusan National University School of Medicine
- PA-6 Application of gamma evaluation method to gamma knife radiosurgery
Jeong-Hoon Park
Seoul National University Bundang Hospital, Korea

13:00 ~ 13:30 Poster Presentation : Group B

Moderator : Hiroshi Inoue(Restorative Neurosurgery and Radiosurgery, Institute of Neural Organization, Japan)

- PB-1 Favorable indexes of life survival for brain metastatic patients after gamma knife radiosurgery
Shang-Ming Chiou
Gamma Knife Center, Department of Neurosurgery China Medical University Hospital,
Taichung, Taiwan, Republic of China
- PB-2 Long-term outcomes of gamma knife radiosurgery for intracranial hemangioblastoma
Yong HwY Kim
Department of Neurosurgery, Seoul National University College of Medicine
- PB-3 Gamma knife radiosurgery for koos stage 4 vestibular schwannoma
-the treatment strategy and middle term results-
Mariko NAGAI
Dept. of Neurosurgery Tokyo Womens Medical University Kasai Gamma Knife Center, Tokyo, Japan

- PB-4 Rosai-dorfman disease : role of gamma knife radiosurgery (case report)
Aftab Khan
Gamma Knife Center, Department of Neurosurgery, Ibn Sina Hospital, Kuwait
- PB-5 Radiosurgery for atypical and anaplastic meningiomas
Hiroshi K. Inoue
Restorative Neurosurgery, Institute of Neural Organization, Cyber Center,
Kanto Neurosurgical Hospital, Japan
- PB-6 Safety and efficacy of gamma knife radiosurgery for glomus jugulare tumors.
A preliminary report of 12 cases from Pakistan.
A Sattar M Hashim
Pakistan Gamma Knife and Stereotactic Radiosurgery Center.NMI. Karachi, Pakistan

13th November, Saturday

Room1 International Conference Room(3rd floor of Bldg.)

English Session

08:30 ~ 09:10 General session : Meningiomas and other benign tumors

Moderator : Hiroshi Inoue (Restorative Neurosurgery and Radiosurgery, Institute of Neural Organization, Japan)
Maheep Singh Gaur (Kumud Chawla Gamma Knife Center)

GS-39 Gamma knife radiosurgery for meningioma : post-irradiation changes on CT scan

Takuya Kawabe
Katsuta Hospital Mito GammaHouse, Hitachi-naka, Japan

GS-40 Volumetric follow-up of meningiomas treated with gamma knife surgery : results of more than 5 years follow-up

Osamu Nagano
Gamma Knife House Chiba Cardiovascular Center, Ichihara, Japan

GS-41 Gamma knife surgery for skull base meningiomas : advantage in our treatment concept as microsurgery

Motohiro Hayashi
Department of Neurosurgery, Tokyo Womens Medical University, Tokyo,
Saitama Gamma Knife Center, Saitama, and RIT Kasai Gamma knife center, Tokyo, Japan

GS-42 The endocrinological role of adjuvant gamma knife radiosurgery for the acromegaly patient

Seok Keun Choi
Kyung Hee University Hospital, Kyung Hee Health Care System

09:10 ~ 10:40 Symposium : Functional disease

Moderator : Motohiro Hayashi (Tokyo Womens Medical University, Tokyo)
Jung-Kyo Lee (Ulsan University, College of Medicine Seoul Asan Medical Center, Seoul, Korea)

S -1 Radiosurgery for hypothalamic hamartomas with intractable seizure

Yoshihisa Kida
Department of Neurosurgery, Komaki City Hospital, Komaki, Aichi, Japan

S -2 Gamma knife radiosurgery for recurrent seizures after incomplete temporal lobectomy

Wen-Yuh Chung
Department of Neurosurgery, Department of Neurology, Department of Radiology,
Department of Psychiatry, Taipei Veterans General Hospital an National Yang-Ming University,
Taipei, Taiwan

S -3 What is the role of gamma knife and surgery for management of epilepsy?
- learning from treatment-failure cases

Satoshi Maesawa
Department of Neurosurgery, Nagoya University Graduate School of Medicine, Aichi, Japan

S -4 Gamma knife radiosurgery for medical temporal lobe epilepsy

Taku Ochiai
Ochiai Brain Clinic, Saitama, Japan

S -5 The location of effective lesions in the thalamus after gamma thalamotomy for the treatment of tremor

Tatsuo Hirai
Stereotaxis and Gamma Unit Center, Fujieda Heisei Memorial Hospital, Fujieda Japan

S -6 Radionecrosis following gamma knife treatment for mesial temporal lobe epilepsy

Jeremy C. Ganz
Gamma Knife Center, Cairo

11:00 ~ 12:00 Special presentaion

Moderator : Don Gyu Kim (Seoul National Universssity College of Medicine, Seoul, Korea)

SP- 「History and present states of gamma knife radiosurgery in Asia」

Tatsuya Kobayashi
Chairman, Nagoya Radiosurgery Center, Nagoya Kyoritsu Hospital, Japan

12:00 ~ 12:30 Lunch, information of next meeting

12:30 ~ Closing ceremony

Yoshihisa Kida, M.D. (President of the 2nd Asian and the 14th Japanese LGKS Meeting)
(Department of Neurosurgery, Komaki City Hospital, Komaki, Aichi, Japan)

13th November, Saturday

Room2 Room 234 (3rd floor of Bldg.)

English Session

08:30 ~ 09:10 General session : Imaging, dose planning, treatment aids

Moderator : Satoshi Suzuki (Nippon Steel Yawata Memorial Hospital, Fukuoka, Japan)
Guo,Wan-You (Taipei Veterans General Hospital, Taipei)

GS-43 Metabolic changes in intracranial metastases after gamma knife radiosurgery : serial proton MRS study

Mikhail Chernov
Faculty of Advanced Techno-Surgery and Departements of Tokyo Women's Medical University,
Tokyo, Japan

GS-44 Thin slice MR T1-weighted 3D volume imaging for gamma knife radiosurgery

Satoshi Suzuki
Nippon Steel Yawata Memorial Hospital, Japan

GS-45 Effects of frame posts on dose and dose distribution in gamma knife treatment

Tohru Iida Tarohda
Asanogawa General Hospital, Japan

GS-46 Useful base plate supporting the patient's head during leksell skull frame placement

Hisato Nakazawa
Nagoya Radiosurgery Center, Nagoya Kyoritsu Hospital, Japan

09:10 ~ 10:00 General session: Glial tumor and other malignant tumor

Moderator : Masaaki Yamamoto (Katsuta Hospital Mito GammaHouse, Mito, Japan)
Chang Hwa Choi (Department of Neurosurgery, Pusan National University School of Medicine)

GS-47 Can GKRS replace conventional EBRT in the initial management of malignant glioma patients?

Masaaki Yamamoto
Katsuta Hospital Mito GammaHouse, Hitachi-Naka, Japan

GS-48 Three cases of chordoid glioma of the third ventricle : combination of microsurgery and gamma knife radiosurgery as a novel therapeutic approach.

Tatsuya Kobayashi
Nagoya Radiosurgery Center, Nagoya Kyoritsu Hospital, Japan

GS-49 Stereotactic radiosurgery using model C gamma knife for recurrent head and neck cancers

Takahiko Tsugawa
Nagoya Kyoritsu Hospital, Japan

GS-50 Gamma knife surgery in the management of orbital tumors

Dong Liu
Tianjin Medical University 2nd Hospital

GS-51 Gamma knife radiosurgery for choroidal hemangioma

Jung-II Lee

Department of Neurosurgery, Samsung Medical Center, Sungkyukwan University School of Medicine, Seoul, Korea

10:00 ~ 11:00 General session : Brain metastasis

Moderator : Yuta Shibamoto (Nagoya City University Graduate School of Medical Radiology, Nagoya, Japan)
David Hung-Chi Pan (Taipei Veterans General Hospital, Taipei)

GS-52 Experience of treating metastatic brain tumors using gamma knife "Perfexion"

Hidefumi Jokura

Jiro Suzuki Memorial Gamma House, Furukawa Seiryō Hospital, Osaka, Japan

GS-53 Treatment of large to huge brain metastases using multisection radiosurgery

Hiroshi K. Inoue

Restorative Neurosurgery and Radiosurgery, Institute of Neural Organization, Japan

GS-54 A single session stereotactic radiosurgery for a large brain metastasis

Jung Ho Han

Department of Neurosurgery, Seoul National University Bundang Hospital, Gyeonggi-do, Korea
Department of Neurosurgery, Seoul National University College of Medicine, Seoul, Korea

GS-55 What factors predict the response of larger brain metastases to radiosurgery?

Huai-che Yang

Departments of Neurological Surgery University of Pittsburgh School of Medicine, Pittsburgh, PA
Departments of Neurosurgery, Taipei Veterans General Hospital, Taipei, Taiwan

GS-56 Gamma knife radiosurgery for brain metastases from digestive cancer

Kazuhiro Yamanaka

Osaka City General Hospital, Osaka, Japan

GS-57 Analysis of radiosurgical results in patients with brain metastases according to the number of brain lesions : Is stereotactic radiosurgery effective for multiple brain metastases?

Won Seok Chang

Department of Neurosurgery, Gamma Knife Center, Brain Research Institute,
Yonsei University College of Medicine, Seoul, Korea