



EXCELLENCE IN
CANCER CARE

NCCI Neurospinal & Cancer Care Institute

M. HASHIM MEMORIAL TRUST



أفضل الأشغال خدمت الناس

PAKISTAN GAMMA KNIFE & X-KNIFE RADIATION ★ PET CT & PET-GUIDED RADIOTHERAPY ★ NEUROSPINAL & MEDICAL SERVICES

Editor-in-chief

Prof. Dr. A. Sattar M. Hashim
(Neuro Surgeon)
0333-2370585

Editorial Board:

Dr. Shahid Kamal
(Nuclear Physician)

Dr. M. Abid Saleem
(Neuro Surgeon) 021-32259938

Dr. Azhar Rashid
(Radiation Oncologist)

Dr. M. Ali Memon
(Radiation Oncologist)

Dr. Mahesh Kumar
(Consultant Radiologist)

Coordinators:

Dr. A. B Memon
0300-2418255

Dr. Amjad Shahani
0300-3680084

Dr. Syed Sohail Hussain
0333-3124707

Mr. Hamid Shah Kazmi
0333-6904524

Mr. Abdullah Panhwar
0333-2126438

Mr. Kamran Rabbani
0333-3533922

Mr. Fawad Hussain
0332-3226551

Mr. Rashid Khan Jadoon
0345-3206006

In this Issue

★ Radiosurgery
Page: 1

★ 4th Int. Pakistan
Gamma Knife & Xknife
Stereotactic Radiosurgery
Symposium 2016
Page: 3

★ PET/CT Scan
Page: 4

100/1, Depot Lines, Mansfield Street,
M.A Jinnah Road, Saddar, Karachi-74400.
Tel : +92-21-32259959, 32258848
32256307, 32255289
Fax: + 92-21-32230210
E-mail: info@ncci.org.pk
neurospi2013@gmail.com
Web: www.ncci.org.pk
Facebook: http://facebook.com/nmihospital

RADIOSURGERY

Gamma Knife® surgery, sometimes referred to as stereotactic radiosurgery (SRS), is a non-invasive method for treating brain disorders. It is the delivery of a single, high dose of irradiation to a small and critically located intra- cranial volume through the intact skull. It is preferred for its extreme accuracy, efficiency and outstanding therapeutic response.

Today, Gamma Knife surgery is performed in hundreds of leading hospitals and clinics around the world. Around 70,000 patients undergo Gamma Knife surgery every year, and this unique procedure has an impressive scientific track record with thousands of peer-reviewed articles. No other non-invasive treatment method in this field has greater clinical acceptance.



Leksell Gamma Knife® Icon™

Leksell Gamma Knife Icon is the most precise radiosurgery device on the market, limiting radiation dose to healthy tissue. Icon is the only technology with microradiosurgery capabilities allowing for the treatment of virtually any target in the brain with ultra high precision.

Leksell Gamma Knife® Icon™ is FDA cleared and CE marked.

4th International Pakistan Gamma Knife & X-Knife Stereotactic Radiosurgery SYMPOSIUM 2016

November 26 & 27, MOVEN PICK HOTEL Karachi

Neurospinal & Cancer Care Institute – NCCI organized “4th International Pakistan Gamma Knife & Xknife Stereotactic Radiosurgery Symposium at Moven Pick hotel Karachi. Neurosurgeon, Neurophysician and Oncologist from all over the country and besides speakers from Japan, Italy and China attend this scientific program. Prof. A. Sattar Hashim MD of NCCI welcomed the guests. Prof. Ahmed Ali Shah was the Chief guest.

Prof. Dr. A. Sattar M. Hashim speak on his welcome address, he said that they organized first symposium on 2008 for Inauguration of “Gamma Knife 4c” first Gamma knife in Pakistan. He said we have regularly adopted research work and published work paper internationally. Gamma knife Icon is state of Art equipment in the field of radiosurgery. This machine can work with frame and frame less.

Dr. Gadliardi Filippo (Neurosurgeon) Raffaele University Milan, Italy presented “Supratentorial Pathologieis, Focalizing on Seller and Supra-seller lesions”. He said Gamma Knife ICON is highly precise and focused delivery of redudcation to biological targets. This is most advanced therapeutic approach treatment now days.

Dr. Yang Yang (Neurosurgeon) West China Hospital speak about “Gamma Knife Radiosurgery for trigeminal Neuralgia”.

Dr. Asghar H. Asghar (Oncologist) KIRAN Hospital discussed ”Role of radiosurgery in high grade Glioma”.

Dr. Azhar Rashid (Radiation Oncologist) NCCI speak about “Introduction to stereotactic Radiosurgery and indications. He said that most of Neurosurgeon, Neurophysician and oncologist are accepting this new technology and they referring the patients for radiosurgery at NCCI.

Dr. M. Abid Saleem (Neurosurgeon) NCCI presented “Gamma Knife Radiosurgery experience at NCCI. He said Gamma Knife ICON is the most advanced technology for brain tumors / canner and spinal carcinomas. The success rate is more then 86.5 % of this machine.

Dr. Michele Bailo (Neurosurgeon) Raffaele University Milan, Italy talked about “ Infratentorial lission focalizing on Vestibular Schwannoma, Primary & Seconday treatment with Gamma Knife”

Prof. Dr. Motohiro Hayashi (Neurosurgeon) Tokoyo Women University Japan highlighted “Modern and future in Gamma Knife surgery. Institutional clinical advantage of 4D precise radiosurgery based on pathological micro anatomy for skull base tumors and Neuromodulation for intractable fuunctional discorders.”

Prof. Dr. Wang Wei (Neurosurgeon) West China Hospital shared his experience of Stereotactic & Functional neurosurgery at west china hospital.

Dr. Peng Li (Neurosurgeon) West China Hospital talked about ”Gamma Knife Radiosurgery for cavernous hemangioma”.



Prof. Dr. A. Sattar M. Hashim Prof. Nazir Ahmed Prof. Syed Hassan Manzoor Zaidi Prof. Ahmed Ali Shah Prof. Khaleeq uz Zaman Prof. Tariq Salahuddin Prof. Shahid Kamal Prof. Shoukat Ali



Prof. Azhar Javed Prof. Anjum Habib Vohra Brig. Dr. Ishfaqe Prof. Junaid Ashraf Prof. Riaz Ahmed Raja Prof. Salman Sharif Prof. Shahzad Shams Prof. Muhammad Ali Bukhari

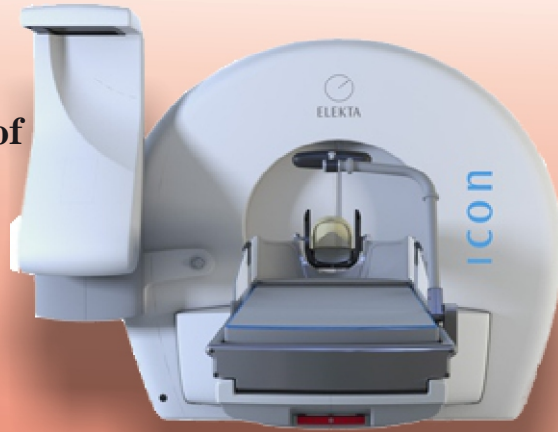


Prof. Syed Ather Enam Prof. Ehsan Bari Prof. Tariq Siddiqui Prof. Azmat Khattak Dr. Muhammad Ali Memon Dr. M. Abid Saleem Dr. Azhar Rashid Dr. Asghar Hussain Asghar



Dr. Gagliardi Filippo Dr. Michele Bailo Prof. Motohiro Hayashi Prof. Wang Wei Dr. Peng Li Dr. Yang Yang

“A Move forward for care of
brain disorders...”



Introducing the Gamma Knife Icon that knows no boundaries

پاکستان میں پہلی بار

جدید ٹیکنالوجی گامانائف (آئی کون) کے ذریعے دماغ کے کسی بھی حصے کے کینسر اور دیگر بیماریوں کا علاج بغیر سرجری کے ممکن ہو گیا ہے۔
اس طریقہ علاج میں ٹارگیٹڈ شعاعوں کے ذریعے دماغ کے کینسر اور دیگر بیماریوں کا علاج کیا جاتا ہے تاکہ بقیہ دماغ کا حصہ محفوظ رہے۔
اس مشین کے ذریعے مرگی (Epilepsy) اور ریشہ (Parkinson) کا علاج بھی کیا جاتا ہے۔
ایم ہاشم میموریل ٹرسٹ کے ذریعے غریبوں کا علاج بھی کیا جاتا ہے۔
NCCI ہسپتال میں کینسر کی تشخیص سے لے کر مکمل علاج کی تمام سہولیات ایک چھت کے نیچے موجود ہیں۔



PET/CT Dementia Software Introduce First Time In Pakistan At Neurospinal & Cancer Care Institute

Alzheimer's disease is the most common form of dementia—a general term that describes memory loss or other mental impairments serious enough to interfere with daily life. More than 5 million people are currently living with Alzheimer's—and experts predict this number could triple by 2050.

Early detection of AD through molecular imaging techniques will assist the development and evaluation of medications to slow the progression of the disease and optimize patient care. The most commonly used molecular imaging procedure for diagnosing or guiding treatment of Alzheimer's disease is positron emission tomography (PET) scanning.

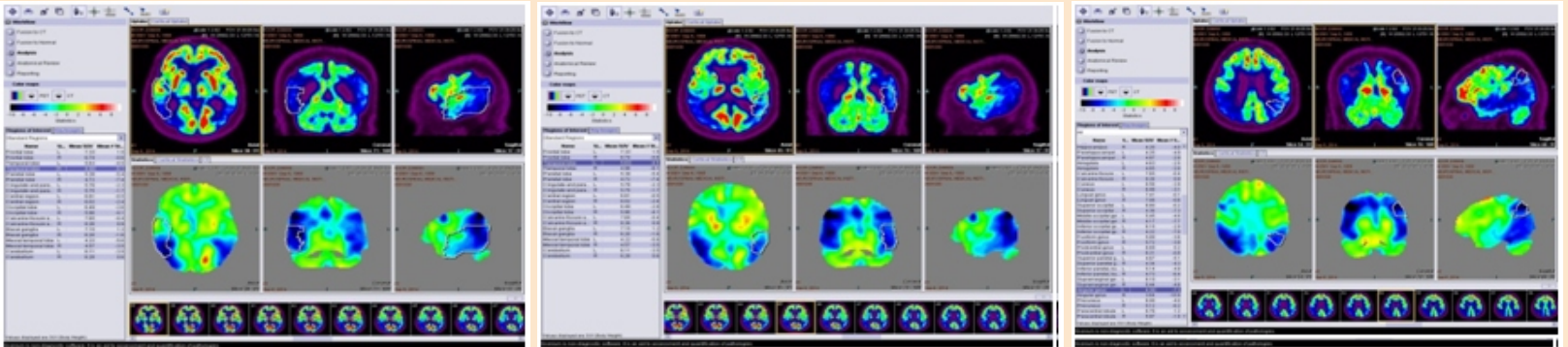
Specifically, PET scanning is a powerful tool for: Diagnosing Alzheimer's earlier; Differentiating Alzheimer's disease from other types of dementia; and Monitoring the progression of the disease and the effectiveness of new therapies in clinical trials.

Studies indicate that PET is very accurate at diagnosing Alzheimer's disease and differentiating it from other types of dementia.

PET scanning can help physicians gain a clear understanding of the existence, progression and aggressiveness of the disease. Researchers are experimenting with several new treatments for Alzheimer's disease. Molecular imaging tools such as PET can help determine whether treatments are working as intended. Molecular imaging may also help researchers learn more about the causes of Alzheimer's and how the disease progresses.

At the Neurospinal & Cancer Care Institute (NCCI) a state of art 64 slice molecular PET/CT scanner is deployed to get high quality brain PET/CT scan images. A powerful sophisticated software SCENIUM helps to quantify and analyze the data and compares it with a large group of healthy controls. It subsequently matches the FDG uptake in different segments. Typical cerebral metabolic patterns are seen in various neurodegenerative brain diseases. These patterns help to dignose Parkinson's Disease (PD), Multiple System Atrophy (MSA), Preogressive Supranuclear Palsy (PSP), Corticobasal Degeneration (CBD), Dementia with Levy Bodies (DLB), Frontotemporal Dementia (FTD) and Alzheimer's Disease (AD).

In Alzheimer's Disease (AD) the FDG quantification and analysis by the specialized neuro software Scenium reveals decreased metabolic activity in the angular gyrus and parieto-temporal regions including precuneus extending to the posterior and middle cingulated gyrus. This not only helps to establish the diagnosis alongwith other clinical and investigative tools but also helps monitor the effect of treatment and progression of disease.



اپیل برائے زکوٰۃ

اپنی زکوٰۃ اور عطیات
ایم ہاشم میموریل ٹرسٹ کو دیجئے

All Expenses are covered by your **ZAKAT & DONATIONS**



P Please help them to fight against cancer

ہمارے معاشرے میں کینسر ایک عام موت کی وجہ بن چکا ہے۔ اور جنوب مشرقی ایشیاء اور بیشتر ممالک میں حفاظتی اقدامات کا فوری تشخیص محفوظ تاجکاری اور کیموتھراپی سمیت مناسب علاج کی طرف سے کینسر کے خاتمے کے لئے کوشش کر رہے ہیں۔ اسکے ساتھ ساتھ پاکستان میں بہت ناکافی اقدامات پائے جاتے ہیں جو کہ کینسر کے علاج کے لئے ناکافی ہیں۔

ایم ہاشم میموریل ٹرسٹ انسانیت کی خدمت کے لئے 1990 میں حکومت سندھ کے تحت رجسٹرڈ کیا گیا ہے۔ ایم ہاشم میموریل ٹرسٹ غریب اور مستحق مریضوں کے لئے مناسب اور جدید علاج کی فراہمی کر رہا ہے جس میں مفت طبی مشاورت، سرجیکل علاج، ریڈیو سرجری اور کیموتھراپی شامل ہیں۔

For Zakat & Donations please contact

Mr. Kazi Muneeruddin (Fundraising Manager) Mrs. Sarwat Kamal (Social Welfare Manager)
(0323-2297252)

United Bank Limited:

Title : M. HASHIM MEMORIAL TRUST

Zakat : 0942-223013472 IBAN PK88UNIL0109000223013748

Donation : 0942-223013472 IBAN PK71UNIL0109000223013742

OUR PROJECT NEED FOR 2016-2017
Rs.100 MILLION