



PHYSICIANS OPEN SECOND
SAN DIEGO TREATMENT CENTER
FOLLOWING AN OVERWHELMING
RESPONSE FROM PATIENTS 2

PHYSICIAN SPOTLIGHT:
CANCER SPECIALIST
DR. HUAN GIAP 4



The CyberKnife Success newsletter

*The CyberKnife Centers of San Diego
are the first cancer treatment centers
in San Diego to offer the CyberKnife®
image-guided radiation therapy.*

Featuring: Synchrony™ Respiratory Tracking System

The Synchrony Respiratory Tracking System is the first technology in the world capable of delivering radiosurgery to targets that move with respiration. This technology enables the CyberKnife to compensate for respiratory movement, leading to highly accurate delivery of treatment.

Unlike traditional radiosurgery devices, the CyberKnife system tracks internal reference points. In this way it automatically detects and compensates for tumor movement in real time. This tracking capability is unique to the CyberKnife and not only makes treatment significantly more comfortable for patients, but safer and more accurate as well.



Please Join Us...

PROSTATE CANCER: Advancements and Treatments

Join **Dr. Donald Fuller**, leading San Diego radiation oncologist and expert on prostate cancer treatment, for an informative discussion:

"PROSTATE CANCER: ADVANCES AND TREATMENTS"

during which he will review the latest options available, including:

- **CyberKnife Radiosurgery**
One of the newest, most advanced treatments
- **Seed Implants (Brachytherapy)**
- **IMRT/IGRT**
- **And other treatment options**



Dr. Donald Fuller

The free seminar will be held
Saturday, February 2 from 10-11:30 a.m.

Rancho Bernardo Inn
Granada Room - 17550 Bernardo Oaks Drive

PLEASE RSVP BY FEB. 1

(888) 233-1803

LUNG CANCER: Your Treatment Options

Learn about the latest advances in lung cancer treatment when **Dr. Damon Smith**, radiation oncologist presents:

"LUNG CANCER: YOUR TREATMENT OPTIONS"

Dr. Smith will discuss treatment options, including:

- **CyberKnife Radiosurgery**
An important option for those diagnosed with lung cancer – including those who have previously received the maximum dose of radiation and are not candidates for traditional surgery
- **New treatment options** for metastatic and recurrent lung cancer



Dr. Damon Smith

The free seminar will be held
Saturday, February 23 from 10-11:30 a.m.

Embassy Suites La Jolla,
Embassy Room – 4550 La Jolla Village Drive

PLEASE RSVP BY FEB. 22

(888) 233-1803



Central San Diego Office

CyberKnife Radiosurgery is Revolutionizing Cancer Treatment

CyberKnife treatment is a promising option for people whose tumors have been diagnosed as inoperable, those who do not have a viable surgical option, or who have already received the maximum dose of "conventional" radiation.

First developed at Stanford University, CyberKnife Stereotactic Radiosurgery is revolutionizing radiation therapy and providing an option for those diagnosed with a variety of cancers.

While radiosurgery (using radiation to shrink and destroy tumors as opposed to surgical removal) is not a new science, CyberKnife technology takes radiosurgery to a new level. The treatment has a unique ability to target, track and move with a tumor, which means it can deliver a higher dose of radiation with less damage to surrounding tissue than traditional radiotherapy systems.

Because of these unique abilities, CyberKnife treatment is a promising option for people whose

tumors have been diagnosed as inoperable, those who do not have a viable surgical option, or who have already received the maximum dose of "conventional" radiation.

CyberKnife treatment is also usually shorter and less disruptive than other treatments, running anywhere from one to five treatments, as opposed to the 40 or more associated with traditional radiation therapy. Treatment is done on an outpatient basis with little to no sedation, pain or recovery time.

For more information about CyberKnife Stereotactic Radiosurgery and CyberKnife Centers of San Diego, please visit www.CyberKnifeCancerCare.com or call (858) 505-4100 or (888) 233-1803 toll free.

CyberKnife In The News

- 12/07 North County Times**
CyberKnife Centers opens in Encinitas
- 11/07 San Diego Business Journal**
CyberKnife Cancer Treatment Center opens North County Center
- 10/07 San Diego Magazine**
CyberKnife Centers of San Diego doctors are recognized as "Top Doctors"



CyberKnife In The Community

The Cyberknife Centers of San Diego proudly sponsored the Susan G. Komen Race for the Cure held on December 2, 2007. Please visit www.sdcyberknife.com to learn more about Cyberknife treatment and future community events.



What We Treat:

The CyberKnife is most commonly used to treat tumors in the brain, skull base, neck, spine, lung, pancreas, liver, kidney and pelvis. Depending upon the circumstance, the CyberKnife may also effectively target tumors elsewhere in the body.

About CyberKnife Centers of San Diego

CyberKnife Centers of San Diego was developed in partnership between Radiation Medical Group, Radiosurgery Medical Group, and Western Cancer Center in conjunction with local medical and surgical specialists. The centers' programs have developed a well-deserved reputation for clinical excellence and compassionate care.

In partnership with:



SKULL BASE

Acoustic Neuromas
Cavernous Sinus Tumors
Parasellar Meningiomas
Pituitary Adenomas

HEAD & NECK

Schwannomas
Nasopharynx Tumors
Parotid Tumors
Primary, Metastatic & Recurrent Disease

LUNG

PANCREAS

PROSTATE

INTRACRANIAL

Trigeminal Neuralgia
Astrocytomas
Hemangioblastomas
Meningiomas
Metastases
AVMs

SPINE

MELANOMA

KIDNEY

LIVER

RECURRENT DISEASE

Physicians Open Second San Diego Treatment Center Following Promise of First

In June 2006, a group of San Diego physicians with a history of embracing the latest cancer treatment breakthroughs, first introduced the CyberKnife treatment to San Diego with the opening of CyberKnife Centers of San Diego on Ruffin Road.

Today, more than 200 patients have been treated at the original center. Seeing the promise the treatment holds for a variety of different cancers, the team of experienced CyberKnife physicians opened a second center in Encinitas this past December.

"The response to the technology and the demand for treatment has been very strong, convincing us that we had to expand this state-of-the-art medical treatment to North County," says Dr. Donald Fuller, a radiation oncologist with Radiation Medical Group.

Patient Care and treatment at CyberKnife Centers of San Diego is coordinated by a skilled team of physicians, technicians and nurses. The centers serve as a community resource, open to physicians interested in becoming certified to help their patients with the CyberKnife treatment.



North County San Diego Office

"The response to the technology and the demand for treatment has been very strong, convincing us that we had to expand this state-of-the-art medical treatment to North County."

DR. DONALD B. FULLER
RADIATION ONCOLOGIST

Case Study

RECURRENT DUODENAL CANCER WITH LYMPH NODE INVOLVEMENT

Radiation Oncologist: Donald B. Fuller, M.D.
Surgical Oncologist: Paul Goldfarb, M.D.
Medical Physicist: Charles Lee, Ph.D.

Patient Demographics:

Sex: Female
Age: 54
Treatment Date: Dec. 2006
Diagnosis: Recurrent duodenal adenocarcinoma following radical surgery and adjuvant chemosensitized radiotherapy.

Case History:

This 54 year old female had a radical pancreaticoduodenectomy on 11/26/04 for adenocarcinoma arising in the duodenum, with the primary lesion penetrating full-thickness through the muscularis propria, with 1/3 regional lymph nodes involved. She subsequently had conventional radiotherapy to the duodenal bed and there were no complications from her surgical or adjuvant treatment.

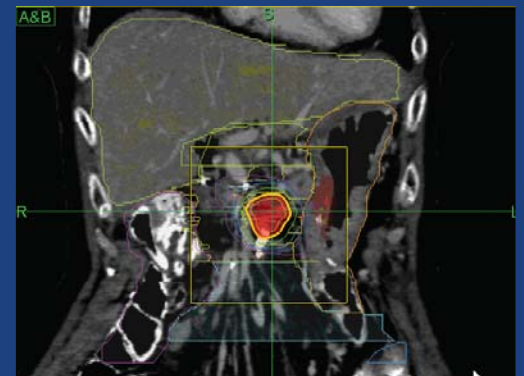
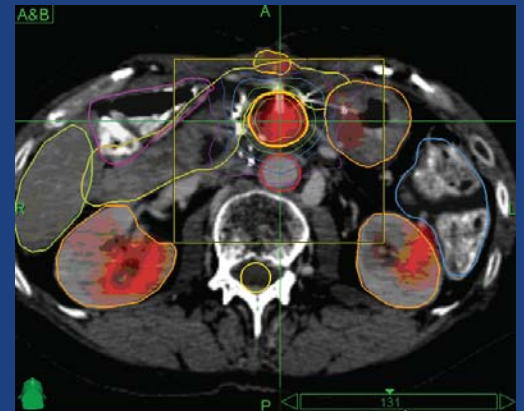
Relapse was documented by CT dated 4/16/06, revealing a necrotic mesenteric root lymph node, confirmed as hypermetabolic by PET scan dated 5/11/06. Chemotherapy failed to eliminate the hypermetabolic lymph node mass. Her recurrent lesion was deemed inoperable by her surgical oncologist, and further systemic therapy was deemed inadvisable, and so she was referred by her medical oncologist for consideration of CyberKnife radiosurgery.

CyberKnife Treatment Rationale:

This inoperable recurrent mesenteric lymph node mass resided within a field of prior radiotherapy, which had exposed surrounding small bowel to full radiotherapeutic tolerance. CyberKnife radiosurgery was selected for this case, due to its capability to deliver biologically potent radiation to the mass, with a much sharper radiation fall-off beyond it, more effectively limiting radiation exposure to previously irradiated critical adjacent tissues, including small bowel, cutaneous fistula tract, large bowel, stomach, liver, kidneys and spinal cord, all of which resided in proximity to her recurrent malignant lesion.

Treatment Delivery

Three CT-guided fiducials were placed at the periphery of the mass to enable fiducial-based 6D tracking and Synchrony® respiratory tracking. Treatment was delivered over a total of 5 days.



Recurrent abdominal mass identified on PET scan, with tightly conforming surrounding yellow dose prescription line. Surrounding tissues are well spared.



Spotlight Physician:
Dr. Huan Giap

PHYSICIAN SPOTLIGHT: Huan Giap, M.D., Ph.D.

CyberKnife Centers of San Diego Welcomes Dr. Giap

CyberKnife Centers of San Diego continues to attract top cancer specialists to its team. After learning about CyberKnife's state-of-the-art capabilities, Dr. Huan Giap, a well-known radiation oncologist currently practicing at Scripps Clinic in La Jolla, pursued his formal training and is now a member of the CyberKnife team.

"I think Cyberknife, which is the most sophisticated technology of all current stereotactic radiosurgery systems, has opened so many doors of opportunity for me to give my patients a second or third chance of attacking their cancer. In many cases, Cyberknife offers a much less invasive treatment for elderly or medically unfit patients," says Giap. "For me, this is truly a revolutionized breakthrough in the field of radiation oncology. It provides superior advantages over current radiation technologies, and we are just beginning to explore its potential."

Dr. Giap is an active member of the American Society for Therapeutic Radiology and Oncology (ASTRO), and has received numerous awards and honors for his work, including being named a

Scripps Institute Skaggs Scholar. He has also given a refresher course at several annual ASTRO meetings.

He has published an extensive body of work on radiation oncology, radiation physics, and radiobiology, and shares his expertise in cancer and cancer treatment as a guest lecturer on radiation therapy.

Dr. Giap received his undergraduate and master's degree in nuclear engineering from Texas A&M University and a doctor of philosophy in medical physics and his medical doctorate at the University of Texas.

"CyberKnife Centers of San Diego was developed to enable top-ranking medical specialists like Dr. Giap to treat patients with this revolutionary technology," said Douglas Myking, M.B.A., Executive Director and Chief Financial Officer for CyberKnife Centers of San Diego. "Dr. Giap's expertise will greatly benefit those patients seeking Cyberknife treatment."

CyberKnife Centers of San Diego Expand Prostate Protocol

Dr. Donald B. Fuller of the CyberKnife Centers of San Diego is accepting prostate cancer patients for a Scripps IRB approved clinical trial, entitled: PROSPECTIVE EVALUATION OF CYBERKNIFE STEREOTACTIC RADIOSURGERY FOR LOW AND INTERMEDIATE RISK PROSTATE CANCER: EMULATING HDR BRACHYTHERAPY DOSIMETRY.

This evaluation is designed to thoroughly assess CyberKnife effectiveness and quality of life outcome for selected early stage prostate cancer patients, using a CyberKnife dose schedule that employs an already published effective radiation dose, that has been delivered by a technique known as High Dose Rate (HDR) prostate brachytherapy. The CyberKnife technology potentially allows patients to receive the full HDR brachytherapy dose sculpting benefit, without having to be hospitalized to have the HDR brachytherapy surgical implantation procedure.

How it works: Briefly, CyberKnife radiosurgery is an automated, "artificial-intelligence-like" form of radiation treatment delivery, which delivers hundreds of precisely targeted beams through the target volume, with amazing accuracy created by a method known as "tracking," which constantly updates the position of the prostate throughout each treatment. It transmits this feedback data to the robotic

radiation delivery machine, which continually compensates, maintaining sub-millimeter targeting accuracy. Using many more beams and targeting angles than traditional radiation systems, combined with the continuously updated target tracking feature, means that CyberKnife may wrap very high doses of radiation, very tightly around the prostate.

Because of the novelty of this technique, the center is offering this approved clinical trial to eligible (early stage) patients to confirm the effectiveness, evaluate the side effects, compare the result with other prostate cancer treatment methods, and share the findings through publication of results in peer-reviewed medical literature. Patients who are interested in this clinical trial are encouraged to call (888) 233-1803 or visit the website at www.CyberKnifeCancerCare.com.

Physicians

- Ronald T. Davis, M.D.
- Donald B. Fuller, M.D.
- Tahir Ijaz, M.D.
- Gina Mansy, M.D.
- Sara G. Rosenthal, M.D.
- Reza Shirazi, M.D.
- Damon E. Smith, M.D.
- Yonina Tova, M.D.

Medical Physics Staff

- George Mardirossian, Ph.D.
- Haoran Jin, Ph.D.
- John Steigerwalt, Ph.D.
- Chad Lee, Ph.D.
- Steve Hardy, CMD

Executive Director/CFO

- Douglas G. Myking, M.B.A.