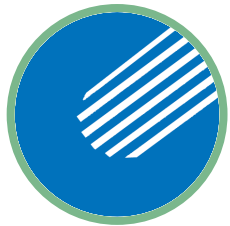


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### Gamma Knife Center of the Pacific

2226 Liliha St., Level B1  
Honolulu, HI 96817  
Tel: 808 535-1579  
Facsimile: 808 535-1540  
Toll Free: 1 888 426-6215  
info@gammaknifehawaii.com

Visit us at our website:

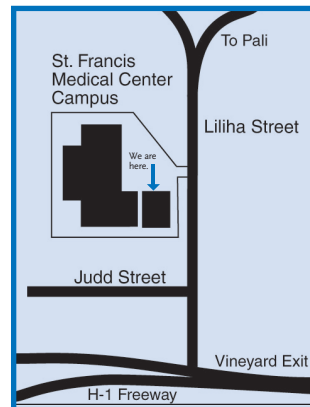
[www.gammaknifehawaii.com](http://www.gammaknifehawaii.com)

### Neurosurgeons:

Gonzalo Chong M.D.  
Dan Donovan M.D.  
Mark Gerber M.D.  
Jon Graham M.D.  
Leon Liem M.D.  
Michon Morita M.D.  
Maurice Nicholson M.D.  
Eric Oshiro M.D.  
Carrie Schmitt, M.D.  
Raymond Taniguchi M.D.  
Todd Thompson M.D.

### Radiation Oncologists:

Paul DeMare M.D.  
Thanh Huynh M.D.  
Christina Liu M.D.  
Laeton Pang M.D.  
Winlove Suasin M.D.



From the H-1 Freeway, take the Vineyard Boulevard exit. Turn onto Liliha Street and head mauka (toward the Pali). After crossing the Liliha/Judd Street intersection, look for the hospital entrance on the left.

F A L L 2 0 0 6

# ON TARGET

GAMMA KNIFE CENTER | QUARTERLY NEWSLETTER  
OF THE PACIFIC

Gamma Knife Center  
of the Pacific

## 8 Years & 850 Patients Later

The Gamma Knife Center of the Pacific is nearing the finish of its 8<sup>th</sup> year of operation at the St. Francis Medical Center, on Liliha Street. To date we have treated close to 850 patients, a breakdown of the conditions treated is documented on page 3 of this newsletter.

The 13<sup>th</sup> International meeting of the Leksell Gamma Knife society was recently held in Seoul, Korea which a number of physicians from the Gamma Knife Center of the Pacific attended. There were also physicians in attendance from over 40 countries worldwide; demonstrating the widespread use of Gamma Knife stereotactic radiosurgery (SRS) throughout the world. Scientific papers presented confirmed the increase use of Gamma Knife SRS in the treatment of metastatic brain tumors and confirmed that Gamma Knife SRS is becoming the standard of care for the treatment of vestibular schwannomas (acoustic neuromas). A paper from the Mayo Clinic stated: "radiosurgery should be considered the best management strategy for the majority of vestibular schwannoma lesions".

A portion of the meeting was dedicated to new indications for Gamma Knife SRS such as treating compulsive disorders, movement disorders, and cluster headaches. The Gamma Knife Center of the Pacific is following these studies closely.

We thank you for your continued support,

MAURICE W. NICHOLSON  
MEDICAL DIRECTOR  
GAMMA KNIFE CENTER OF THE PACIFIC

*Continued on page 3*

# Physician Highlight

Dr. Daniel Donovan, M.D.

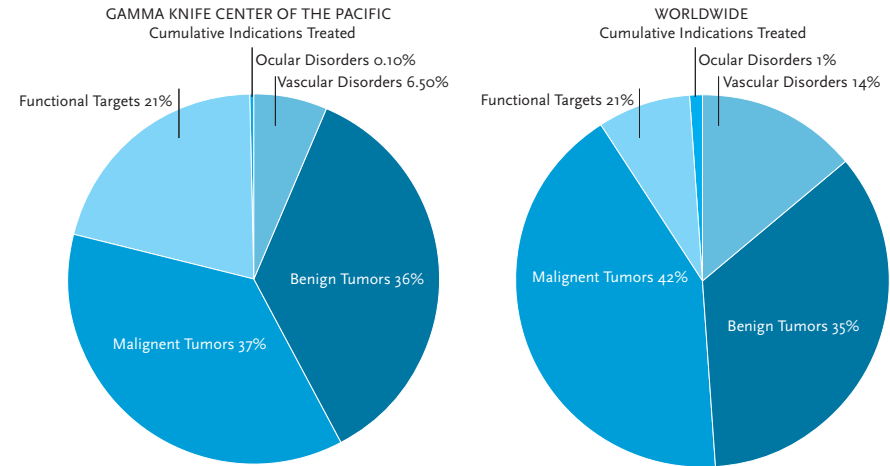


Dr. Donovan received his undergraduate degree from Duke University and his medical degree from Washington University in St. Louis, Missouri on a scholarship from the U.S. Army. He then completed his surgical internship and residency training in neurosurgery at Walter Reed Army Medical Center in Washington, DC. After his training was completed he was stationed at an Army hospital in Texas before being transferred to Tripler Army Medical Center in Honolulu, where he served as Chief of Neurosurgery from 2000 to 2005. He is board certified in Neurological Surgery and serves as the Medical Director of Neurotrauma at the Queen's Medical Center. He is also a clinical assistant professor of surgery at the University of Hawaii John A. Burns School of Medicine, and has been performing Gamma Knife stereotactic radiosurgery in Hawaii for the past 6 years.

## The Facts Are In **Gamma Knife Accuracy:**

The Leksell Gamma Knife guarantees an accuracy better than 0.50mm for the Gamma Knife machine. Based on 332 measurements on 189 installed Gamma Knife systems, the average radiological accuracy of the Gamma Knife is 0.15mm.

# Treatment Statistics



## Cumulative Number of Patients Treated World Wide by Indication

<b>Vascular Disorders</b>		<b>Malignant Tumors</b>	
AVM	44,185	Malignant Glial Tumor (Grade III+IV)	22,004
Aneurysm	191	Metastatic Tumor	120,195
Cavernous Angiomas	1,082	Chondrosarcoma	382
Other Vascular	3,566	NPH Carcinoma	1,159
<b>Total</b>	<b>49,024</b>	Other Malignant Tumors	4,781
<b>Benign Tumors</b>		<b>Total</b>	<b>148,521</b>
Vestibular Schwannoma	32,482	<b>Total Tumors</b>	<b>269,851</b>
Trigeminal Schwannoma	2,014	<b>Functional Targets</b>	
Other Schwannoma	745	Trigeminal Neuralgia	21,679
Benign Glial Tumors (Grade I+II)	1,416	Parkinsonian Target	1,257
Meningioma	42,825	Intractable Pain Target	533
Pituitary Adenoma (Secreting)	18,044	Epilepsy Target	2,095
Pituitary Adenoma (Non-secreting)	10,264	OCB	128
Pineal Region Tumor	2,863	Other Functional	745
Hemangioblastoma	1,438	<b>Total</b>	<b>26,437</b>
Hemangiopericytoma	849	<b>Ocular Disorders</b>	
Craniopharyngioma	3,067	Uveal Melanoma	1,206
Chordoma	1,460	Glaucoma	188
Glomus Tumor	931	Other Ocular Disorder	56
Other Benign Tumors	2,932	<b>Total</b>	<b>1,450</b>
<b>Total</b>	<b>121,330</b>	<b>Total Indications</b>	<b>346,762</b>