

Gamma Knife® Pefexion™ Introductory Physics Course Outline

Washington Hospital Gamma Knife Center

2500 Mowry ave., Fremont, CA 94538

April 22 - 24, 2019

Total Medical Physics Continuing Education Credits (MPCEC) = 21.25

Day 1 MPCEC Credit for Day 1 = 8.25

Time	Duration (hours)	Activity Type	Activity Name
8:00:00 AM	1.00	Lecture 1	GSR Treatment of Benign Tumors
9:00:00 AM	1.00	Lecture 2	Technical Description of PFX System
10:00:00 AM	0.25	<i>Break</i>	
10:15:00 AM	1.25	Lecture 3 + Demo 1	WHHS Experience and Workflow
11:30:00 AM	0.50	Lecture 4	Imaging Considerations
12:00:00 PM	1.00	Demo 2	Leksell GammaPlan (LGP) Workflow
1:00:00 PM	0.75	<i>Lunch</i>	
1:45:00 PM	1.00	Lecture 5	Treatment Planning with LGP
2:45:00 PM	0.50	Lecture 6	Inverse Planning: Methods and Metrics
3:15:00 PM	0.25	<i>Break</i>	
3:30:00 PM	2.00	Exercise 1	Treatment Planning: Hands-on
5:30:00 PM		<i>Adjourn for day</i>	

Day 2 MPCEC Credit for Day 2 = 7

Time	Duration (hours)	Activity Type	Activity Name
9:00:00 AM	0.25	Demo 3	LGP System Administration
9:15:00 AM	0.5	Lecture 7	Radiation Safety Features of LGK PFX
9:45:00 AM	0.25	<i>Break</i>	
10:00:00 AM	1	Exercise 2	PFX Sys. Operation and Safety-Hands-on
11:00:00 AM	0.75	Exercise 3	Clearance Checks: Practical Examples
11:45:00 AM	0.25	Exercise 4	Clearance Check Tool QA
12:00:00 PM	0.75	<i>Lunch</i>	
12:45:00 PM	1	Lecture 8	Daily Monthly and Annual QA
1:45:00 PM	0.5	Exercise 5	Aspects of Daily QA: Hands-on
2:15:00 PM	0.25	<i>Break</i>	
2:30:00 PM	1	Exercise 6	Aspects of Monthly QA: Hands-on
3:30:00 PM	1	Exercise 7	Aspects of Annual QA: Hands-on
4:30:00 PM	0.75	Lecture 9	GSR Treatment of Brain Metastases
5:15:00 PM		<i>Adjourn for day</i>	

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April 16 - 18, 2018

Day 3 MPCEC credit for day 3 = 6

Time	Duration (hours)	Activity Type	Activity Description
7:30:00 AM	2.5	Demo 4	Observe Patient Treatment: Pre-treatment imaging and measurments
10:00:00 AM	0.25	<i>Break</i>	
10:15:00 AM	2	Demo 5	Observe Patient Treatment: Patient setup and treatment
12:15:00 PM	0.75	<i>Lunch</i>	
1:00:00 PM	1.5	Demo 6	Post treatment Q & A
2:30:00 PM		<i>Adjourn</i>	

Faculty for Day 1: Sandeep Kunwar, M.D., Paula L. Petti, Ph.D., and Susan Lohman, R.N., Elekta Applications Specialist

Faculty for Day 2: David Larson, M.D., Ph.D., Paula L. Petti, Ph.D., and Susan Lohman, R.N., Elekta Applications Specialist

Faculty Day 3: Sandeep Kunwar, M.D., David A. Larson, M.D., Ph.D., Paula L. Petti, Ph.D.