IROC
IMAGING AND
RADIATION ONCOLOGY CORE
Global Leaders in Clinical Trial Quality Assurance

IROC Houston QA Center
MD Anderson Cancer Center
8060 El Rio Street
Houston, TX 77054
Tel (713) 745-8989
Fax (713) 794-1364
Email: irochouston@mdanderson.org

RESULTS OF OSLD CHECK OF PHOTON BEAM OUTPUT

v 8.0.2

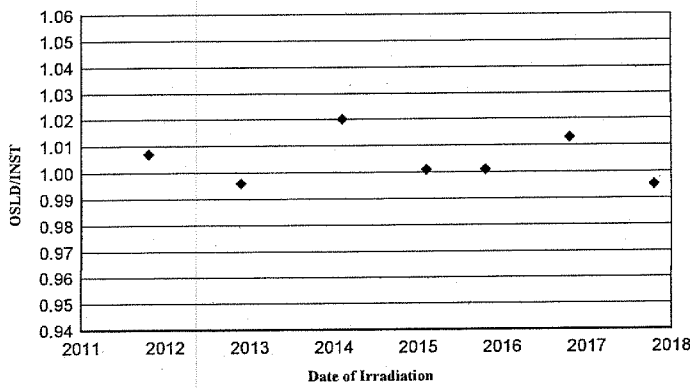
Institution:	Shikoku Cancer Center, Matsuyama City, Ehime Prefecture
RTF Number	4366
Person irradiating dosimeters:	Kazunobu Koshi
Radiation Machine:	Clinac 21EX Serial 3132
Radiation Quality:	4 MV X-rays
Distance from source to reference point:	100.0 cm

OUTPUT VERIFICATION:

Date of Irradiation	IROC Houston measured dose at dmax:*	Institution reported dose at dmax:*	**Ratio of absorbed dose determined by IROC Houston to that stated by institution: OSLD/INST**
12-Oct-2017	99.4 cGy to water	99.9 cGy to water	**1.00**

Agreement within 5% is considered a satisfactory check.

RESULT HISTORY FOR THIS BEAM



THIS INFORMATION SHOULD BE USED ONLY AS A CHECK OF MACHINE OPERATION AND NOT AS A MACHINE CALIBRATION, nor as an alternative to frequent calibration by a qualified physicist.

The OSLD dose was evaluated using the AAPM TG-51 Dosimetry Calibration Protocol.

OSLD read on: 27-Oct-2017
OSLD read by: Omar Garcia
Checked by: Stephen Kry, Ph.D.

*The variance of the dose determined by a single OSLD is less than 3%. The OSLD sample, therefore, has an uncertainty of 5% at a confidence level in excess of 90%. This analysis did not include uncertainties in the institutions' irradiation technique.

David S. Followill
Director

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12-Oct-2017	99.3 cGy to water	99.9 cGy to water	**0.99**

Agreement within 5% is considered a satisfactory check.

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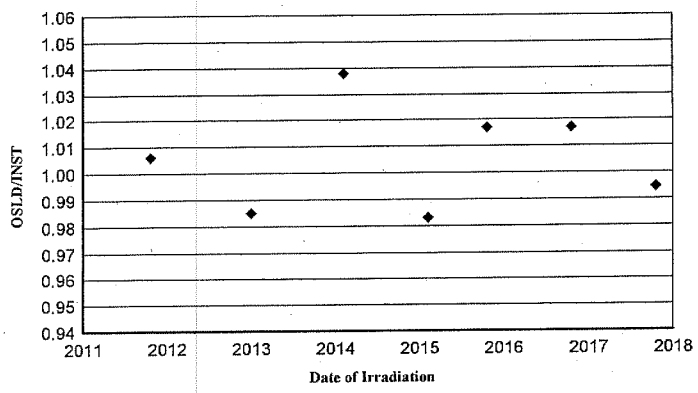

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12-Oct-2017	100.8 cGy to water	100.0 cGy to water	**1.01**

Agreement within 5% is considered a satisfactory check.

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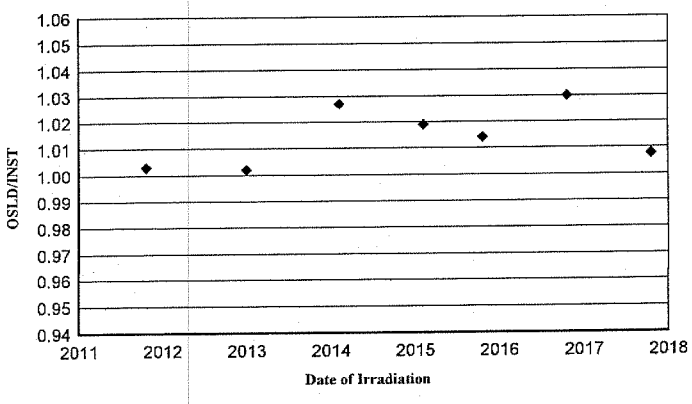

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12-Oct-2017	100.7 cGy to water	100.0 cGy to water	**1.01**

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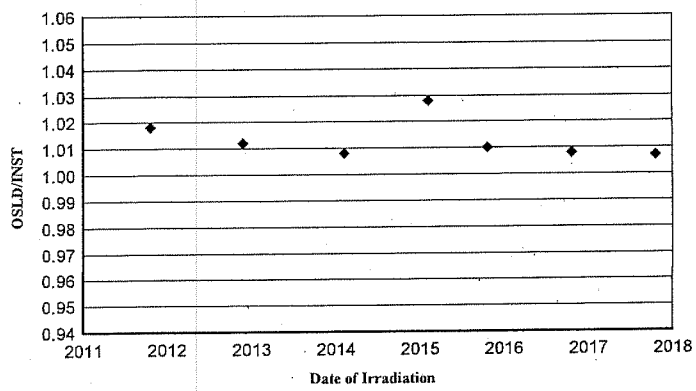

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