Ohio River Valley Chapter of the AAPM

2010 Spring Educational Symposium

March 5th-6th 2010
Cincinnati, Ohio
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>6:00 pm to 7:15 pm</td>
<td><strong>Varian Ohio Valley Learning Symposium (Hosted by Varian)</strong> Accelerated Partial Breast Irradiation (APBI) Latest Treatment Solutions and Rational</td>
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<tr>
<td>7:15 pm to 10:00 pm</td>
<td><strong>ORVC Meet and Greet Night Out</strong></td>
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<tr>
<td>7:30 am to 8:00 am</td>
<td><strong>Vendor setup</strong></td>
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<td>8:00 am to 8:45 am</td>
<td><strong>Check-in / Continental Breakfast</strong></td>
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<tr>
<td>8:40 am to 8:45 am</td>
<td><strong>Welcome and Opening Remarks</strong></td>
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<td></td>
<td>Jian Wang, Ph.D.</td>
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<td>President, Ohio River Valley Chapter</td>
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<td>Ohio State University, James Cancer Hospital</td>
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<tr>
<td>8:45 am to 10:00 am</td>
<td><strong>James G. Kereiakes Keynote Lecture</strong></td>
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<td>Introduction of James G. Kereiakes Keynote Lecture and Keynote Speaker</td>
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<td></td>
<td><strong>Keynote address:</strong> IMAT: Principles and Historic Perspectives</td>
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<td>Cedric Yu, DSc, FAAPM</td>
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<td>University of Maryland</td>
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<td>10:00 am to 10:15 am</td>
<td><strong>A margin expansion analysis of the CyberKnife Synchrony model for lung tumor motion prediction</strong></td>
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<td>Eric Pepin</td>
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<td>Purdue University</td>
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<td>10:15 am to 10:30 am</td>
<td><strong>Impact/effect of respiratory motion in proton beam therapy with uniform scanning</strong></td>
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<td>Qingya Zhao</td>
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<td></td>
<td>Purdue University</td>
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<td>10:30 am to 11:00 am</td>
<td><strong>Coffee Break/ Vendor Exhibits</strong></td>
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<td>11:00 am to 11:15 am</td>
<td><strong>Comparison of Positional Accuracy for kVkV, kVMV, and CBCT OBI for Cranial Localization</strong></td>
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<td>Hiroatsu Armstrong</td>
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<td>University of Cincinnati</td>
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<td>11:15 am to 11:30 am</td>
<td><strong>Thin film CdTe photovoltaic detector performance under diagnostic X-ray beams</strong></td>
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<td>Xiance Jin</td>
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<td>University of Toledo</td>
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<tr>
<td>Time</td>
<td>Session</td>
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| 11:30 am to 11:45 am | **CT-based Target Delineation versus Surface Anatomy Marker Method in Breast Cancer Radiation Therapy: Impact on Boost Volume Coverage**  
Saveliy Belkin  
Ohio State University |
| 11:45 am to 12:00 pm | **Dose to Contralateral Breast: A Comparison of Traditional LinAc and Tomotherapy Techniques**  
Tenia M. Fountain  
University of Cincinnati |
| 12:00 pm to 1:00 pm | **Lunch Break / Vendor Exhibits**  
Box Lunch Provided |
| 1:00 pm to 1:15 pm | **Evaluation of three IMRT QA techniques to detect MLC positioning errors**  
Andrew Bergen  
University of Cincinnati |
| 1:15 pm to 1:30 pm | **How Early Can We Predict the Outcome for Cervical Cancer during Radiation Therapy?**  
Zhibin Huang, PhD  
Ohio State University |
| 1:30 pm to 1:45 pm | **Dosimetric Comparison of Three Multi-Lumen Brachytherapy Applicators with the Original MammoSite® Balloon Used in Partial Breast Irradiation (PBI)**  
Jordyn Detwiler  
University of Toledo |
| 1:45 pm to 2:00 pm | **Evaluation of Respiratory Gating of ROI Definition on the Accuracy of SUV in ¹⁸F-FDG PET Imaging**  
Katherine Magat  
University of Cincinnati |
| 2:00 pm to 2:15 pm | **Statistical/Mathematical Prediction Model for Lung Tumor Motion**  
Poonam S. Verma  
IUPUI |
| 2:15 pm to 2:35 pm | **Brief Break / Judge Deliberation** |
| 2:35 pm to 3:00 pm | **Award Ceremony / Business Meeting** |
Ohio River Valley Chapter

ACKNOWLEDGEMENTS

The Ohio River Valley Chapters would like to thank the generous support of the following corporate participants.

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