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# AAPM 2021 VIRTUAL

25-29 JULY

## Explore the future of oncology software with RaySearch – book a personal demo!

Software is a driving force for innovation in oncology. RaySearch works in close cooperation with leading cancer clinics and equipment manufacturers around the world to advance cancer treatment. Today, our software supports thousands of clinics worldwide in the fight against cancer.

For AAPM 2021 we are proud to show the latest releases of treatment planning system RayStation®\* and oncology information system RayCare®\*. Book your own personal demo, you will be contacted by a Sales representative to schedule an online meeting at your convenience.

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## VENDOR SHOWCASE



### DATA DRIVEN ONCOLOGY

JULY 26, 2021, 11:30–12:00 EDT

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FREDRIK LÖFMAN

Head of Machine learning, RaySearch Laboratories

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# VIRTUAL ROOM

**Connect LIVE with our booth representatives at AAPM!**

**Different topics every day.**

CyberKnife planning, brachytherapy, machine learning, conformal FLASH, RayCare/RayCare Flow.

# PODCAST

**Artificial Intelligence in the use of Adaptive Therapy**

with Kristy Brock, MD Anderson Cancer Center Professor in conversation with RaySearch team

# POSTER SESSIONS

TITLE	AUTHORS
<b>Use of Deep Learning Segmentation and Biomechanical Models to Improve Dose Accumulation Accuracy in GI Structures</b>	Molly McCulloch <sup>1*</sup> , G Cazoulat <sup>1</sup> , B Rigaud <sup>1</sup> , B Anderson <sup>1</sup> , E Kirimli <sup>1</sup> , S Gryshkevych <sup>2</sup> , S Svensson <sup>2</sup> , A Ohrt <sup>1</sup> , J Ohrt <sup>1</sup> , N Chopra <sup>1</sup> , R Mathew <sup>1</sup> , M Zaid <sup>1</sup> , D Elganainy <sup>1,3</sup> , P Balter <sup>1</sup> , E Koay <sup>1</sup> , K Brock <sup>1</sup> , {1} UT M.D. Anderson Cancer Center, Houston, TX, {2} RaySearch Laboratories AB, Stockholm, SE, {3} Dana-Farber Cancer Institute, Boston, MA Collaboration: Joint with MD Anderson CC Presentation type: Interactive ePoster Session: Multi-Disciplinary: Adaptive Radiation Therapy. ID, date and time: TU-lePD-TRACK 3-6 {Tuesday, 7/27/2021} 3:00 PM - 3:30 PM
<b>Probabilistic Feature Extraction, Dose Statistic Prediction and Dose Mimicking for Automated Radiation Therapy Treatment Planning</b>	T Zhang <sup>1</sup> , <sup>2*</sup> , R Bokrantz <sup>2</sup> , J Olsson <sup>1</sup> , {1} Department of Mathematics, KTH Royal Institute of Technology, Stockholm, Sweden {2} RaySearch Laboratories AB, Stockholm, Sweden. Session: Multi-Disciplinary General ePoster Viewing. ID and date: PO-GePV-M-36 {Sunday, 7/25/2021}. THIS E-POSTER WILL ALSO BE AVAILABLE WITH AUDIO IN OUR BOOTH
<b>Using Deep Learning Auto-Planning for Evaluating the Dosimetric Impact of Deep Learning Auto-Segmentation Without Human Intervention Over Multiple Dose Escalation Schemes for Lung SBRT Treatment Planning.</b>	Mats Holmström <sup>1</sup> , Elin Samuelsson <sup>1</sup> , and Yi Wang PhD <sup>2</sup> {1} RaySearch Laboratories AB, Stockholm, Sweden {2} Department of Radiation Oncology, Massachusetts General Hospital, Harvard Medical School, Boston, MA. Session: Session: Multi-Disciplinary General ePoster Viewing. ID and date: PO-GePV-M-238 {Sunday, 7/25/2021}. THIS E-POSTER WILL ALSO BE AVAILABLE WITH AUDIO IN OUR BOOTH