JUNE SEMINAR NOTICE

Presented by
Yale School of Medicine’s, Department of Therapeutic Radiology

“Prediction of Generalization of Deep Learning Models on Medical Images”

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Yale School of Medicine

Date: Thursday, June 10, 2021, 9:00AM
Location: Zoom Meeting

Course Director/Host: Henry S. Park, MD, MPH

There is no corporate support for this activity
This course will fulfill the licensure requirement set forth by the State of Connecticut

ACCREDITATION
The Yale School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

TARGET AUDIENCE
Attending Physicians; Housestaff/Fellows; Medical Students; Nurses; PA’s; Other

NEEDS ASSESSMENT
Deep learning has been a rapidly growing field that has found useful applications in medicine and cancer care. In order for deep learning models to be implemented effectively into clinical practice, its limitations must be understood and be made predictable. Deep learning models are often less accurate when used on external datasets and this project seeks to develop a metric to predict this generalization gap.

LEARNING OBJECTIVES
At the conclusion of this activity, participants will be able to:
1. Develop an understanding of how deep learning can be applied to cancer care.
2. Understand the practical limitations of deep learning models, such as generalization gap.
3. Understand the factors that can help predict the generalization gap.

DESIGNATION STATEMENT
The Yale School of Medicine designates this live activity for 1 AMA PRA Category 1 Credit(s)™. Physicians should only claim the credit commensurate with the extent of their participation in the activity.

FACULTY DISCLOSURES
Victor Lee, Medical Student – None; Henry S. Park, MD, MPH – Bristol Myers Squibb, Honorarium-Speaker

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