



JUNE SEMINAR NOTICE

Presented by

Yale School of Medicine's, Department of Therapeutic Radiology

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

**Victor Lee, Medical Student
Department of Therapeutic Radiology
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)TM. 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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