



Pharmacy Grand Rounds

200 First Street SW

Rochester, Minnesota 55905

<https://ce.mayo.edu/pharmacy-grandrounds-2025>

Breaking the Cycle: CDK4/6 Inhibitors in Early-Stage Breast Cancer

Session Date: 10/21/2025

Session Time: 11:00 – 11:45 AM (CST)

Target Audience

This continuing education (CE) session was planned to meet the needs of professional staff who deal with the selection and monitoring of medication(s) as part of their patient care duties, including pharmacists, RNs, APRNs, PAs, MDs.

Activity Overview

Adjuvant therapy in early-stage HR+/HER2- breast cancer continues to evolve as novel agents are studied in addition to standard endocrine therapy. CDK4/6 inhibitors have demonstrated significant benefit in advanced breast cancer patients, leading to an interest in their use in the adjuvant setting. Three large phase III trials (monarchE, PALLAS, and NATALEE) have evaluated the role of CDK4/6 inhibitors in reducing recurrence in high-risk early-stage disease with mixed results. This presentation will explore the controversy of CDK4/6 inhibitor use in this setting, highlighting the heterogeneity of trial populations and differences in study design that contributed to contrasting outcomes. Safety profiles, monitoring requirements, and cost considerations will also be addressed, with a focus on applying the evidence to patient-centered decision making in clinical practice.

Learning Objectives

At the conclusion of this knowledge-based CE session, participants should be able to:

1. Describe the pathophysiology and risk factors of early-stage HR+/HER2- breast cancer.
2. Compare literature evaluating the safety and efficacy of CDK4/6 inhibitors as adjuvant early-stage HR+/HER2- breast cancer treatment in combination with endocrine therapy.
3. Evaluate clinical and economic considerations when determining the role of adjuvant CDK4/6 inhibitors in patient-specific treatment plans.

Faculty Information

Madalyn Edmonds, PharmD

PGY1 Pharmacy Resident

Mayo Clinic Hospital - Rochester, MN

Mady received a Doctor of Pharmacy degree from the University of Kansas School of Pharmacy and is a current PGY1 pharmacy resident at Mayo Clinic Hospital – Rochester. Her practice interests include oncology, hematology, and transplant.



Approved Provider Statement



In support of improving patient care, Mayo Clinic College of Medicine and Science is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC) to provide continuing education for the healthcare team.

Credit Statements

AMA

Mayo Clinic College of Medicine and Science designates this live activity for a maximum of 0.75 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

ACPE



ACPE Universal Activity Number (UAN): JA0000238-0000-25-035-L01-P

Mayo Clinic College of Medicine and Science designates this educational activity for a maximum of 0.75 ACPE Knowledge-based contact hours. Participants should claim only the credit commensurate with the extent of their participation in the activity

ANCC

Mayo Clinic College of Medicine and Science designates this activity for a maximum of 0.75 ANCC contact hours. Nurses should claim only the credit commensurate with the extent of their participation in the activity.

AAPA



Mayo Clinic College of Medicine and Science has been authorized by the American Academy of PAs (AAPA) to award AAPA Category 1 CME credit for activities planned in accordance with AAPA CME Criteria. This activity is designated for 0.75 AAPA Category 1 CME credits. PAs should only claim credit commensurate with the extent of their participation.

Educational Format and CE Requirements

This CE session is available as a live presentation, including live webcast.

Participants must complete the following to record attendance and obtain CE credit:

1. Attend the entire session.
2. Text the session code to 507-200-3010 within 48 hours of the live presentation to record attendance.
 - a. This number is only used for receiving text messages related to tracking attendance
 - b. Employees are encouraged to create a contact in their mobile phone, as the same number is used to record attendance for every session
3. Complete the online evaluation for the respective session within 2 weeks of live presentation.

Pharmacist CE credit is electronically transferred to the National Association of Boards of Pharmacy CPE Monitor. To track CE, please go to [NABP CPE Monitor](#).

Non-pharmacist attendees can print out a record of attendance at ce.mayo.edu after completing the evaluation and claiming credit.

[Live Webcast](#) – Register from the Education SharePoint site

Disclosure Summary

As a provider accredited by Joint Accreditation for Interprofessional Continuing Education, Mayo Clinic College of Medicine and Science must ensure balance, independence, objectivity and scientific rigor in its educational activities. All who are in a position to control the content are required to disclose all financial relationships with any ineligible company. Faculty will also identify any off-label and/or investigational use of pharmaceuticals or instruments discussed in their content for FDA compliance.

Listed below are individuals with control of the content of this program who have disclosed:

The faculty report the following relationships:

- Madalyn Edmonds, PharmD
 - Declares no financial relationship(s) pertinent to this session
 - Declares off-label use of the following medication will be discussed during this presentation:
 - Palbociclib

Course Director and Planning Committee Members declare the following relevant financial relationship(s) pertinent to this session.

- No relevant financial relationship(s) with ineligible companies:
 - Jennifer Elmer, DNP, APRN, CCNS
 - Andrew Herber, PA-C
 - Sarah Jane Kotval, BSW, RSS Coordinator
 - Scott Nei, PharmD, BCPS, BCCCP, FCCM, FMSHP
 - Sara Thompson, PharmD, MEd, BCACP
- Relevant financial relationship(s) with ineligible companies:
 - Wayne Nicholson, MD, PharmD, BCPS - Intellectual Property - Anivive Lifesciences, Inc.

All relevant financial relationships have been mitigated.

For additional disclosure information regarding Mayo Clinic School of Continuous Professional Development accreditation review committee members visit ce.mayo.edu, About Us, Disclosures - or - <https://ce.mayo.edu/content/disclosures>

System and Technical Requirements

For participants viewing the webcast, sessions are delivered via Mayo Clinic intranet web browser and Adobe® PDF. For participants viewing outside the Mayo Clinic firewall, a VPN connection is required for remote access. Recommended web browser includes Google Chrome. This session is planned and coordinated by **the Department of Pharmacy, Mayo Clinic.**