

**Maine Medical Center Pharmacy Residency
PGY2 Oncology Appendix 2021-2022**

RPD: Dorothy Wang, PharmD, BCOP

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ORAC Membership: All PGY2 preceptors

Program Structure

The program structure for required, elective and longitudinal learning experiences is outlined in the table below.

Learning Experiences	Preceptor(s)	Typical Duration
Required Learning Experiences		
Advanced Inpatient Adult Hematology/Oncology	Megan Duperreault, PharmD, BCOP	4 weeks
Advanced Outpatient Adult Hematology/Oncology	Dorothy Wang, PharmD, BCOP	4 weeks
Bone Marrow Transplant	Alison Carulli, PharmD, BCOP	4 weeks
Gynecologic Oncology	Dorothy Wang, PharmD, BCOP	4 weeks
Infusion Center Pharmacy Management	Amanda Snow, PharmD, BCOP	2 weeks
Inpatient Adult Hematology/Oncology	Megan Duperreault, PharmD, BCOP	6 weeks
Investigational Drugs (Concentrated)	Barbara Wiernek, PharmD, MBiotech, PhD	2 weeks
Oral Oncolytic Clinic	Anthony Cirincione, PharmD	4 weeks
Orientation	Dorothy Wang, PharmD, BCOP	3 weeks
Outpatient Adult Hematology/Oncology	Dorothy Wang, PharmD, BCOP	6 weeks
Pediatric Hematology/Oncology	Jon Bourque, PharmD, BCPS, BCPPS	6 weeks
Elective Learning Experiences		
Anticoagulation	Brian Carlone, PharmD, BCPS, BCCP	4 weeks
Oncology Infectious Diseases	Kristina Connolly, PharmD, BCIDP	4 weeks
Longitudinal Learning Experiences		
<ul style="list-style-type: none"> • Guideline/Protocol Development and Implementation • Investigational Drugs (Longitudinal) • Medication Use Evaluation • Oncology Formulary Management and Value • Pharmacy Grand Rounds • Pharmacy Practice (Staffing) • Research Project 		

Duty Hours

The resident should document all duty hours in PharmAcademic every 4 weeks per the below schedule. Weekends are included. Submit PharmAcademic non-learning evaluation no later than 1 week after the close of the 4-week period.

4-Week Period	Due Date
07/06/21 – 07/30/21	08/06/21
07/31/21 – 08/27/21	09/03/21
08/28/21 – 09/24/21	10/01/21
09/25/21 – 10/22/21	10/29/21
10/23/21 – 11/19/21	11/26/21
11/20/21 – 12/17/21	12/24/21
12/18/21 – 01/14/22	01/21/22
01/15/22 – 02/11/22	02/18/22
02/12/22 – 03/11/22	03/18/22
03/12/22 – 04/08/22	04/15/22
04/09/22 – 05/06/22	05/13/22
05/07/22 – 06/03/22	06/10/22
06/04/22 – 06/30/22	06/30/22

Pharmacy Practice – Staffing Commitment

The resident's weekend service commitment is two 8-hour inpatient shifts every 4 weeks. Residents will generally be assigned to the inpatient oncology service-based staffing. The oncology resident will also staff two 8-hour outpatient shifts on the first Friday and third Friday of every month at the South Portland IV Therapy location.

Research Project

RPD and ORAC preceptors will supply the resident with a list of possible research projects to consider within the first month of the residency. The resident will be able to add to the list of ideas, if it is feasible within the year-long residency. Project selection and CITI training should be completed prior to the end of the orientation experience. Research project methods may be presented to the Residency Advisory Committee-Investigational Team (RAC-IT) for feedback and guidance prior to commencement of data collection, if deemed appropriate. Research project timeline will be determined by the RPD, project preceptor and resident. Residents will be expected to complete at least one (1) research project each year. A completed manuscript will be submitted to RPD and primary project preceptor for the research project at least 2-weeks before graduation with the understanding that articles suitable for publication will require additional work that may occur after residency completion.

Lectures/Presentations

The resident will have multiple presentation opportunities throughout the residency year. The minimum required presentations/in-services for graduation are as follows:

- Journal Clubs: 2
- Formulary Review: 1
- Patient-case Presentation: 2
- Medication-use Evaluation: 1 (see below for details)
- In-services: 3
- Pharmacy Grand Rounds: 1

Longitudinal Experiences

Longitudinal experiences for the oncology resident include the following: developing an oncology-related guideline/protocol development and implementation, performing a medication-use evaluation, oncology formulary management and value, pharmacy grand rounds, pharmacy practice (staffing) and a research project.

Medication Use Evaluation (MUE)

Each resident will complete a minimum of one (1) Medication Use Evaluation. The resident will be provided with a list of potential MUE topics generated by the RPD and ORAC preceptors. The resident will be able to add to the list of ideas, if it is feasible within the year-long residency. The resident will conduct the MUE under the guidance of a preceptor. Results from the MUE(s) will be presented to the appropriate stakeholders within the hospital/enterprise.

Meeting Attendance

The resident will have the opportunity to attend various professional meetings throughout the year. The resident typically attends ASHP Midyear Meeting and HOPA. Other meeting attendance may be discussed and reviewed on a case-by-case basis.

Evaluation Strategy

The PGY2 Oncology Pharmacy Residency Program utilizes that ASHP on-line evaluation tool called PharmAcademic. Residents will complete two pre-residency questionnaires that help the RPD design a residency year that is tailored to the specific needs and interests of the resident:

- ASHP Entering Interests Forms
- Entering Objective-Based Self-Evaluation

The RPD uses the ASHP Entering Interests Form and Entering Objective-Based Self-Evaluation form to create the resident's Customized Development Plan. The Customized Development Plan will be discussed and modified (as necessary) through a collaborative effort between the RPD and the resident. In addition, the resident may request schedule modifications throughout the residency year and the RPD will make all efforts to accommodate these requests. Assessment tools will be adjusted as changes are made. The RPD will share changes to the Customized Development Plan via Smartsheet automated emails to scheduled preceptors and during monthly PGY2 Oncology Residency Advisory Committee (RAC) meetings.

The residents' schedules are entered into PharmAcademic. For each learning experience, the following assessments are completed:

Block or Learning Experiences of < 12 weeks				
Resident Evaluation of Learning Experience	Resident Evaluation of Preceptor	Preceptor Verbal Midpoint Evaluation of Resident	Preceptor Summative Evaluation of Resident	Resident Self-Summative Evaluation
End	End	Midpoint	End	End

Longitudinal Learning Experiences of > 12 weeks			
Resident Evaluation of Learning Experience	Resident Evaluation of Preceptor	Preceptor Summative Evaluation of Resident	Resident Self-Summative Evaluation
End	End	Quarterly (or Midpoint and End)	Quarterly (or Midpoint and End)

Summative Evaluations

- Summative evaluations assess the residents' mastery of the 40 required ASHP residency objectives. Summative evaluations of these objectives will be completed by both preceptors and residents based on the following standardized scale:

Short Description	Long Description	Value
1	1 Does not meet expectations: Unable to complete or perform the objective	1.00
2	2 Occasionally meets expectations: Completes or performs objective inconsistently or requires intervention to complete objectives	2.00
3	3 Meets expectations: Able to complete or perform objectives with minimal intervention	3.00
4	4 Occasionally exceeds expectations: Able to complete or perform objectives independently	4.00
5	5 Frequently exceeds expectations: Able to complete or perform objectives consistently and independently at a high level of practice	5.00
NA	Not assessed this rotation	

- Summative Evaluations should be completed using Criteria Based Feedback statements; see PowerPoint on PharmAcademic Tips and Tricks.
- Preceptors and residents should complete their own summative assessments, save, print a copy, and then meet to discuss/review together. Any changes to the evaluation should be made in PharmAcademic, then finalized and sent for 'Cosign'.
- Summative evaluations MUST be completed within 7 days (1 week) of rotation completion.**
- Evaluations are cosigned by the rotation preceptor as well as the RPD. The RPD may send an evaluation back for revision for the following reasons:
 - Significant misspellings
 - Patient names mentioned within document
 - Criteria-based qualitative feedback statements not utilized
- Signing an evaluation (both preceptors AND residents) indicates that the evaluation has been read and discussed.

The resident will complete a PGY2 Oncology Pharmacy Residency Program exit survey in the last month of residency year. Feedback will be discussed at the PGY2 ORAC meeting and agreed upon changes will be incorporated into the next academic year structure.

PGY2 Oncology Residency Requirements for Completion/Graduation:

- Objective achievement: Minimum of 90% of program-required objectives are marked as “Achieved for Residency” by the end of the residency year. All learning experience objectives must be marked at a 3 (meets expectations) and above. Any expectations of the residents that are not met or learning objectives with score of 1 or 2 from evaluations will result in a meeting between the learning experience preceptor, RPD, and resident and a plan of correction will be formulated.
- Completion of all required learning experiences
- Completion of all assigned evaluations in Pharmacademic
- Completion of Medication Use Evaluation and present at an appropriate committee meeting
- Completion of all assigned presentations:
 - Journal Clubs: 2
 - Formulary Review: 1
 - Patient-case Presentation: 2
 - Medication-use Evaluation: 1
 - In-services: 3
 - Pharmacy Grand Rounds: 1
- Completion of formulary drug review and/or develop/revise treatment guideline/protocol and presentation at an appropriate committee meeting
- Presentation of major research project at residency conference and/or other professional platform (e.g. national meeting, MSHP, Pharmacy Grand Rounds)
- Completion of manuscript of major project in publishable form, signed off by primary project preceptor
- Submission of 15 reports in safety reporting system (e.g. safety, adverse drug reports)
- Completion of all assigned staffing shifts
- Completion of all attendance related and duty hour fulfillment and reporting requirements
- Submission of residency portfolio: Upload all projects, presentations, work products to Smartsheet