

#### **APPE Rotation Description**

#### **UC San Diego Thornton Inpatient Palliative Care Rotation**

#### **GENERAL INTRODUCTION**

The UC San Diego Palliative Care Service (also known as the Doris Howell Service) is a trans-disciplinary service that focuses on pain and symptom management as well as whole person assessment helping patients identify their goals of care and empowering patients to communicate with their health teams.

**Primary Preceptor:** Dr. Rabia Atayee, email: <a href="mailto:ratayee@ucsd.edu">ratayee@ucsd.edu</a>, cell: 858-603-1628

#### **INTRODUCTION TO THE ROTATION - 6 Week Rotation (5 weeks for residents)**

At UC San Diego there are 4 different consult palliative care teams separated by location and the focus on disease states:

- 1. Thornton Hospital: Inpatient Oncology/Hematology
- 2. Moores Cancer Center: Outpatient Oncology/Hematology
- 3. Supizio Cardiovascular Center: Cardiology/Pulmonary (with emphasis in pre-LVAD patients)
- 4. Hillcrest Hospital: Trauma, Liver and Kidney dysfunction

This rotation will be primarily at Thornton Hospital. Patients at Thornton are adult patients with various races, ethnic, socioeconomic differences.

Patients that are referred to the palliative care service are anywhere between the spectrum of a curable disease to end of life prognosis. On this rotation disease education, medication review, monitoring, management and counseling of medications will be tailored specific to each patient and their individual circumstances under the UC San Diego medication guidelines.

The student will have an opportunity to work with an inter-professional environment with a team including, but not limited to the following disciplines:

- Pharmacist Preceptor
- Physicians
- Nurse Practitioners
- Licensed Clinical Social Workers
- Psychiatrist
- Psychologist
- Hypnotherapist
- Other Pharmacist and Pharmacy Technicians

The trainees will round on the inpatient side with the palliative care team at Thornton. They will have a unique opportunity to spend part of the week with their pharmacist preceptor on rounds with them and then the rest of the week to practice their independent

pharmacist roles with their preceptor available to meet in person or via phone. The preceptor will review the trainees schedule and expectations in detail in the orientation. The students will also be expected, as part of the Thornton pharmacy team, to communicate and collaborate with both inpatient and discharge outpatient pharmacist on medication use and patient education.

Students will have the opportunity to participate in contemporary learning including document interventions in electronic medical record (EMR) inpatient notes as well as completing pharmacist flow sheet where pharmacist interventions and outcomes are documented for each patient interaction as shown below. Please refer to Appendix I&II. The preceptor will review these responsibilities in detail in the orientation. The students will also have an opportunity in collaboration with the discharge pharmacy at Thornton, to provide discharge counseling in the Med-to-Bed program under guidance of the discharge pharmacy pharmacists and technicians.

#### **GOALS AND OBJECTIVES**

By the end of the rotation the trainee should be able to successfully:

- 1. Optimize medication regimen including, but not limited to the following symptoms: pain, nausea, vomiting, and constipation
- 2. Coordinate medication insurance issues prior to discharge
- 3. Review medications
  - a. Identify ways to decrease poly-pharmacy
  - b. Address patient non-adherence
- 4. Review CURES report
  - a. Confirm patient medication history
  - b. Identify aberrant drug seeking behaviors
- 5. Identify any SEVERE drug interactions and make clinical recommendations to avoid or dose adjust for these interactions
- 6. Identify renal or hepatic dysfunction and make appropriate medication selection and dose recommendations
- 7. Provide education to patient, caregivers, and other healthcare providers

#### **APPE ACTIVITIES**

- 1) Direct patient care activities: Daily rounds in each patient's room
- 2) Non patient care activities: Participating in consult note and flow sheet documentation
- 3) Interprofessional interaction and practice: Team discussions for each patient's care including medications and non-medication recommendations.
- 4) Medication dispensing, distribution, administration, and systems management: In collaboration and communication with the inpatient and outpatient pharmacists and pharmacy team at Thornton hospital.

#### **EVALUATION**

The student will complete three evaluations throughout this experience: 1) a Midpoint/Formative Self-Evaluation, 2) a Preceptor Evaluation and 3) a Site Evaluation. The preceptor, in addition to commenting/signing off on the student Midpoint/Formative Self-Evaluation, will complete a Summative Evaluation at the end of the rotation. Students may be evaluated at any other time at the discretion of the preceptor. Preceptors may evaluate students more frequently, so that the student is informed of areas requiring improvement early in the rotation. The primary preceptor should obtain feedback from all team members as well as any patient comments.

#### **ORIENTATION TO THE ROTATION**

Important information to be reviewed <u>prior</u> to first day and any questions discussed on the first day

Review rotation description, trainee expectation, and clinical pearls.

- What is palliative care?
  - o <a href="http://www.mayoclinicproceedings.org/article/S0025-6196(13)00452-7/pdf">http://www.mayoclinicproceedings.org/article/S0025-6196(13)00452-7/pdf</a>
- Role of palliative care pharmacist:
  - o <a href="http://ajh.sagepub.com/content/27/8/511.full.pdf">http://ajh.sagepub.com/content/27/8/511.full.pdf</a>
  - o <a href="http://online.liebertpub.com/doi/pdf/10.1089/jpm.2008.0023">http://online.liebertpub.com/doi/pdf/10.1089/jpm.2008.0023</a>
- Documentation: Consult notes/flow sheet (please refer to appendices 1-3)
  - o Pharmacist flow sheet- completed by trainees: after  $\mathbf{1}^{st}$  week for residents; after  $\mathbf{3}^{rd}$  week for students
- Inpatient rounding tool (example template appendix 4)
- How to access the patient list in EPIC
  - Sign in to EPIC
  - o For "Department" put in "La Jolla Main Pharm"
    - Then at the top click on "Patient list"
    - Then click on "Shared patient list" on the left hand side
    - Then click on "\*aa DHS LJ inpt" (access must be given by preceptor first)
- Recommendations for "quick tabs" up top in EPIC
  - o "IP Pain Management"
  - o "UC Gen Mar History"
  - o UC IP Mar Admin History by Pharm Class"
  - o "IP Labs Since Admission"

- Palliative care clinical pearls
  - Definition and balance in pain management:
     <a href="https://www.youtube.com/watch?v=TJaHsp2XsSQ">https://www.youtube.com/watch?v=TJaHsp2XsSQ</a>
  - o Different types of pain: <a href="https://www.youtube.com/watch?v=7o7oDryem7U">https://www.youtube.com/watch?v=7o7oDryem7U</a>
  - o Pain Assessment: <a href="https://www.youtube.com/watch?v=emQJ">https://www.youtube.com/watch?v=emQJ</a> aZPXyY
  - Non-opioids: Acetaminophen and NSAIDS: https://www.youtube.com/watch?v=VjGbu3FWBVc
  - Overview of opioids and appropriate opioid language: https://www.youtube.com/watch?v=pETKefKUHo8
  - Assessment and treatment of opioid-induced adverse effects: <a href="https://www.youtube.com/watch?v=bCZ9-ptLPTU">https://www.youtube.com/watch?v=bCZ9-ptLPTU</a>
  - o Treatment of neuropathic pain: <a href="https://www.youtube.com/watch?v=X-5pG-lavWI">https://www.youtube.com/watch?v=X-5pG-lavWI</a>
  - Clinical application of opioid pharmacokinetics: https://www.youtube.com/watch?v=SwyD3GWQaDk
  - Role of dexamethasone in palliative care:
     <a href="https://drive.google.com/file/d/0BylFEWCSwGsUOXIYbjJHRHVQNWM/view">https://drive.google.com/file/d/0BylFEWCSwGsUOXIYbjJHRHVQNWM/view</a>
  - o Opioid conversion: Please use pain card below in appendix 5
  - o How to "interrogate" PCA in EPIC/PCA pump: please refer to appendix 6
- **Attendance:** Monday-Friday 8am-5pm. Rounds will begin at 9:30 am in the meditation room at Thornton 3<sup>rd</sup> floor. The code to enter room is **75389**.
- Preceptor will communicate in advance any changes to the schedule. Student needs to contact preceptor by texting preceptor on their listed cell phone above for any sick calls. Other professional requests must be discussed and approved by preceptor in advance.
- **<u>Dress Code</u>**: Business casual attire, closed toes, white coat and badge required.
- <u>Calendar</u>: The trainee will be at Thornton M-F from 8am-5pm. Trainee will round every morning with Thornton palliative care team. Afternoon activities will vary and will be discussed weekly with trainee.
- Paid **parking** is available at Thornton hospital. Trainee may also elect to park on the street or take public transportation including MTS or UC San Diego shuttle.

## ADDITIONAL TOPICS OF DISCUSSION (DISCUSSED WITH PRECEPTOR OVER WEEKS 2-5/6)

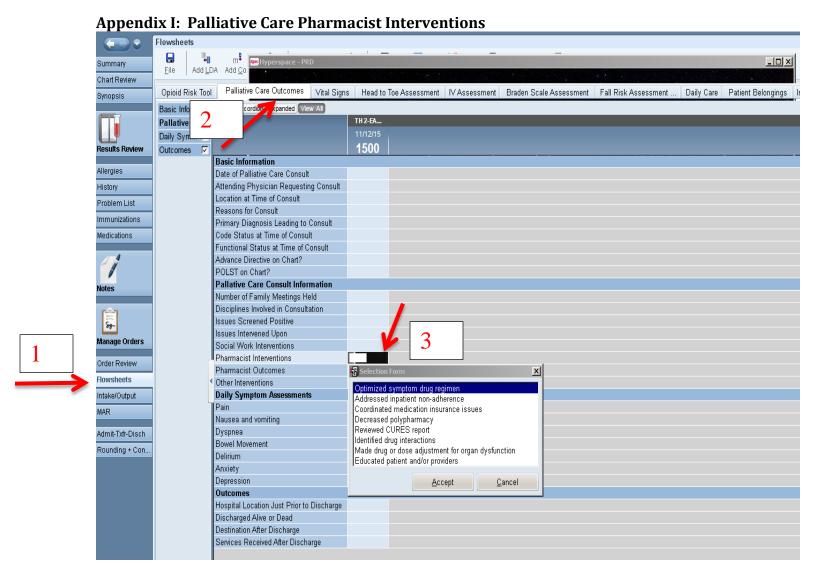
Treatment of bone pain
Opioid Titration
Renal and Hepatic Dosing of Opioids
Methadone
Ketamine/Lidocaine
Blue Sheet
SPIKES
Treatment of malignant bowel obstruction

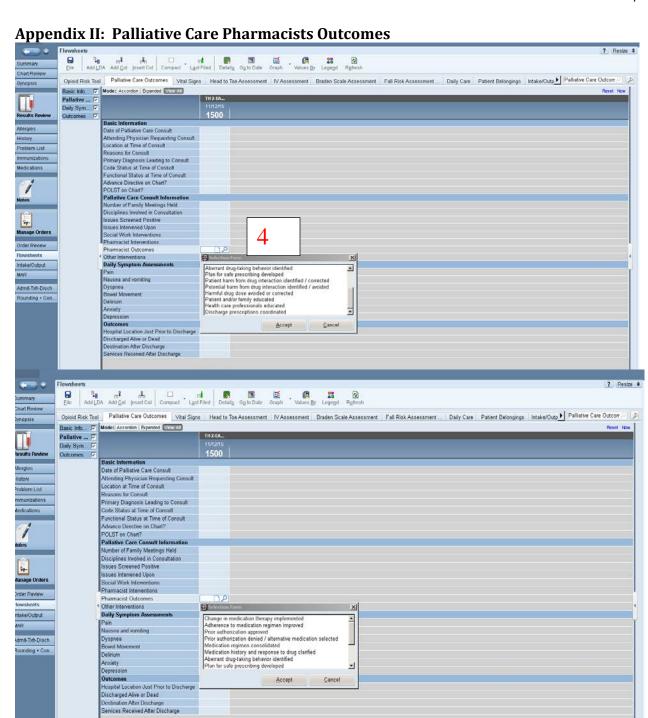
#### SELF-LEARNING ASSIGNMENTS

- 1. Register <a href="https://www.capc.org/accounts/register-member/F41560A243/">https://www.capc.org/accounts/register-member/F41560A243/</a>
  - a. Click on tab for providers CME/CEU courses
    - i. <u>Under Pain Management Courses</u>
      - 1. Comprehensive pain assessment
      - 2. Matching the drug class to the pain
      - 3. Opioid trials: determining design, efficacy and safety
      - 4. Prescribing short-acting opioids
      - 5. Monitoring for opioid efficacy, side effects and substance use disorder
      - 6. Prescribing practice and opioid conversions
      - 7. Advanced conversions & opioid side effects
      - 8. Special populations & patient-controlled analgesia
      - 9. Pain management Putting it all together
    - ii. <u>Under Communication Courses</u>
      - 1. Clarify goals of care
  - b. Fast facts: 2 Fast facts per week and then discussion

### 2. THE FOLLOWING WEEKLY ASSIGNMENTS MUST BE EMAILED EACH FRIDAY BY 3:30PM:

- a. Certification of completion of 2 CME modules from above (All 10 must be completed by the end of the rotation)
- b. List 2 fast fact topics that were read during the week for discussion in the following week





#### **Apprendix III: Inpatient Palliative Care Pharmacist Note Template**

#### **Palliative Care Pharmacist Note**

Requesting Physician: @IPATTPROV@

**Reason for Consult/Chief Complaint**: To evaluate patient for \*\*\*

**HPI:** is a @AGE@ @SEX@ who prefers to be called.

#### **Interval History:**

#### **Symptom Assessment:**

#### Pain

Location:

Quality:

Severity

Current pain score 1-10:

Worst pain score 1-10:

Best daily pain score 1-10:

Realistic goal pain score 1-10:

Duration

Timing

Modifying factors

Aggravating factors:

Alleviating factors:

**Associated Signs & Symptoms** 

Nonverbal Pain Indicators:

#### **Constipation:**

Last BM

#### **Nausea/vomiting:**

Any nausea?

Last episode of vomiting?

#### Other

Any SOB? NA

Allergies: @ALG@

#### **Relevant Medications:**

#### **Relevant Drug Interactions:**

#### Inpatient medication non-adherence (related to consult)

-reason for patient not receiving the medication

#### **Medication History:**

**CURES report: NA** 

**Conversion to Oral Morphine Equivalent =** 

#### **Past Medical History:**

@PMH@

#### **Past Surgical History:**

@SURGICALHX@

#### **Family History:**

@FAMHX@ Mental illness? Substance abuse?

#### **Physical Examination:**

@VS@

General: alert, cooperative @SEX@ in no acute distress

Respiratory: respirations even and unlabored

#### **Pertinent Labs:**

@IPBRIEFLAB(WBC,)@

@IPBRIEFLAB(Hgb,)@

@IPBRIEFLAB(plt)@

@IPBRIEFLAB(creat)@

@IPBRIEFLAB(ALT)@

@IPBRIEFLAB(AST)@

@IPBRIEFLAB(Tbili)@

@IPBRIEFLAB(alb)@

#### **Last QTc:**

#### Yesterday's intake and output:

#### @RRIOYESTERDAY@

Above labs and results reviewed.

#### **ASSESSMENT:**

#### **RECOMMENDATIONS:**

Thank you very much for involving us in <code>@FNAME@</code> <code>@LNAME@</code>'s care. Please do not hesitate to contact us with any further questions.

Rabia Atayee, PharmD

# **Appendix IV:** Pre-rounding template **Date:**

Name	One liner + Reason for admission: Age, sex, primary diagnosis, current status, and reason for admission  (H&P or Admission Dx in Visit Report)	Reason for consul t to Howell Service  Eval of Pain or Goals of Care?  (consul t note)	Pain meds: Include long- acting/basal then shorting- acting including number of uses in 24 hours, then any adjuvant therapy	OME for 24 hours	Previou s Day's 24 hr OME	Has the patient's pain improve d from yesterd ay?  Y/N  (pain score)	Was the patient consti pated?  Did the patient have N/V?  (consul t note, progres s notes)	If yes, please list out current regimen  If no, then complete after rounds  Bowel regimen: (scheduled, prn)  N/V regimen: (scheduled, prn)	Antidepressan ts Antipsychotics (scheduled, prn)	Plans for today (to be completed after rounds)
								-		

#### Appendix V: Pain Card

# EQUIANALGESIC DOSING GUIDELINES FOR CHRONIC PAIN



CHANGING ROUTES OF ADMINISTRATION				
PO/PR	IV/SC/IM			
3	1			

	OPIOIDS	
Oral/Rectal Dose(mg)	Analgesic	Parenteral SC/IV/IM Dose (mg)
150	Meperidine	50
150	Tramadol	-
150	Codeine	50
15	Hydrocodone	-
15	Morphine	5
10	Oxycodone	-
5	Oxymorphone	-
3	Hydromorphone	1
	Fentanyl	0.05 <u>mg</u> (1000 mcg = 1 mg)

NSDER		

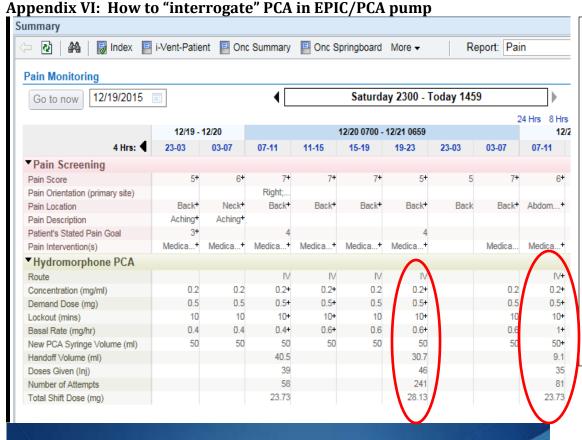
Morphine 50mg PO in 24 hrs => Fentanyl 25 mcg in 72 hrs

ADJUSTMENT FOR INCOMPLETE CROSS TOLERANCE*		
Poor	100%	
Moderate	75%	
Excellent	50%	

"Becomplete cross-rolenmon Tolerance to a currently administered opinion that does not extend completely to other opicids. This tends to lower the required dose of the second opicid.

COMBINATION PRODUCTS				
Product	Morphine PO Equivalent (mg)			
APAP 325 mg + Codeine 30 mg PO (Tylenol #3)	≃ 3-4 mg PO			
APAP 325 mg + Hydrocodone 5 mg PO (Norco)	≃ 5-6 mg PO			
APAP 325 mg + oxycodone 5 mg PO (Percocet)	≃ 7-8 mg PO			

Adapted from Fents FD, Firrello BD: Intercoving Statisticipanis Declary for Clevents. Parts Management, American Association for Cancer Education. Association for Cancer Education. Association for Cancer Education. Association for Cancer Education. Azimal New Long Conference on Control Chicago 1990. No. Adapted with permission. These are guidelines only and do not replace careful chizacial suggested specific to each partial refraction. On International Pollative Care Programs, ObioFenth., 2013. Permission for reproduce for material is grained for non-commencial educational purposes only, provided that the arribution statement and copyright are displayed for reproduces for all other purposes, contact The International Programs at 1-888-278-6615 or statEPCRC net.



When you are evaluating the PCA use in the morning for the last 24 hours you need to look at the last 2 shift doses as highlighted in red below. So if the data was accurately entered by the nurse then the total hydromorphone IV in 24 hours was 28.13+23.73 mg =51.86 mg of IV hydromorphone. And then to calculate the oral morphine equivalent per day **(OME)** you multiply by 15 = 777.90 mg**OME** 

## PCA pump







This is an end tidal CO2 monitor. Will discuss pros/cons on rotation

The nurse can program for the PCA button to turn green when it is ready for patient to press it again after lockout mode.

NOTE: this must be programmed by nurse.

Press "CHANNEL SELECT"
Then press "OPTIONS"
Then you can look at "PATIENT HISTORY" OR "DRUG EVENT HISTORY"