

ANNUAL TCH PACT HPM Fellowship Curriculum

Mapped to ACGME Core Competencies

Medical knowledge (MK)

Patient care (PC)

Interpersonal communication skills (ICS)

Professionalism (PF)

Practice-based learning and improvement (PBL)

Systems-based practice (SBP)

Bootcamp Didactics

✓ **Lectures held the first two weeks of program alongside BCM and Fellows College Orientation Sessions**

1. Program Introduction (1hr) **No CC**
 - a. Jared Rubenstein, MD
 - b. Year structure, discussion of fellowship goals and objectives, convey general sense of excitement. Review binders, outline policies/procedures, where to go for support, well-being, duty hours, procedure logs, etc.
2. Professional Boundaries and Moral Distress (1hr) **ICS, PBL**
 - a. Joy Hesselgrave, MSN
 - b. Describe importance of need for self-care and maintenance of professional boundaries, provide skills to learners on how to practice self-care, maintain boundaries, and provide information on how to seek help when feeling overwhelmed
3. Anatomy of a Consult (1hr) **PC, PF, ICS**
 - a. Dan Mahoney, MD Marina Ma, MD
 - b. Describe form and function of interdisciplinary practice (including provider variation in communication style) and outline goals/plan for an initial consult. Review consult etiquette for palliative care (asking permission when required, navigating roles, closed-loop communication, etc.)
4. Procedural Communication Workshop (3hr) **ICS, PF, PBL**
 - a. Dan Mahoney, MD, Jessica Casas, MD (additional team members for small group ~~facilitation~~) Jared Rubenstein, MD and Gina Santucci, NP
 - b. Provide procedural communication education and opportunity for small group practice
5. Pain Assessment and Pathophysiology (1hr) **MK, PC**
 - a. Dan Mahoney, MD Jaime Jump, DO
 - b. Review pathophysiology of nociception, discuss and practice elements of thorough pain assessment (and documentation)
6. Opioid Pharmacokinetics and Pharmacodynamics (1hr) **MK, PC**
 - a. Nancy Glass, MD
 - b. Review pharmacology of opioid medications in general, discuss clinical relevance of understanding basic opioid pharmacology in case-based format

7. Opioid Conversion and Rotation (1hr) **MK, PC**
 - a. Jessica Casas, MD Jared Rubenstein, MD
 - b. Case-based opioid conversions and rotations, active participation and baseline knowledge of opioid pharmacology is expected of learners. This session will be repeated during the year as needed

8. Pain Cases and Conversions (1hr) **MK, PC**
 - a. Jared Rubenstein, MD and Jennifer Placencia, PharmD
 - b. Case-based opioid conversions and rotations, active participation and baseline knowledge of opioid pharmacology is expected of learners. This session will be repeated during the year as needed

9. Non-pharm Pain and Symptom Management (1hr) **MK, PC**
 - a. Dan Mahoney, MD Melody Hellsten, NP
 - b. Briefly review evidence base for non-pharm treatment modalities for pain and other symptoms, recognize non-pharm treatment modalities available at TCH and how to prescribe/recommend each

10. Opioid Side Effect Management and Adjuvant Pain Medications (1hr) **MK, PC**
 - a. Faith Kinnear, CPNP-AC
 - b. Review and discuss management of opioid side effects using both pharmacologic and non-pharm modalities, with particular attention on mechanism of action of treatment modalities. Review mechanisms and clinical uses of adjuvant pain medications.

11. Hospice 101 (1hr) **SBP, PC**
 - a. Nancy Glass, MD
 - b. Brief explanation of Hospice Medicaid Benefit, Concurrent Care, logistics of making hospice referral

12. Advance Directives (1hr) **SBP, PC, ICS**
 - a. Jill Ann Jarrell, MD
 - b. Recognize difference between documents and processes, review TX-specific documentation requirements (both inpatient and outpatient)

13. Grief and Bereavement 101 (1hr) **PC, SBP**
 - a. Taryn Schuelke, CT, CCLS
 - b. Describe an anticipatory grief assessment of a palliative care patient/family member; Describe the ways in which a palliative care physician can do assess for anticipatory grief; Discuss the many ways in which PACT supports families in their grief; Review expectations of working with learner and discuss how best to collaborate with grief and bereavement specialist on team

14. Gastrointestinal Symptom Management (1hr) **MK, PC**
 - a. Gina Santucci, MSN, FNP, APN-BC

- b. Review causes of common GI symptoms (including nausea, vomiting, and constipation). Discuss screening, assessment, management (including mechanism of action), documentation and anticipatory guidance
15. Respiratory Symptom Management (1hr) **MK, PC**
- a. Jared Rubenstein, MD
 - b. Discuss oral secretion and dyspnea screening, assessment, management (including mechanism of action), documentation and anticipatory guidance
16. Recognition and Management of the Actively Dying Patient (1hr) **PC, MK, SBP**
- a. Jessica Casas, MD Tammy Kang, MD
 - b. Describe the physical exam findings of actively dying patients, review anticipatory guidance for family members at the bedside during active end of life. Recognize and appreciate distinct elements of WOLST procedures for technological supportive interventions such as mechanical ventilation, dialysis and ECMO, review practical management of the EOL situation including symptom management.
17. Spiritual Support 101 (1hr) **PC, SBP, ICS**
- a. Kirstin Springmeyer, MDiv
 - b. Describe a comprehensive spiritual assessment of a palliative care patient; Discuss the role of spirituality in chronic illness and end of life care; Describe the ways in which a palliative care physician can do an initial screen for spiritual distress; Review expectations of working with learner and discuss how best to collaborate with chaplain on team
18. Social Work 101 (1hr) **PC, SBP, ICS**
- a. Claire Crawford, LMSW
 - b. Describe a comprehensive social work assessment of a palliative care patient; Discuss the interplay between social determinants of health and chronic illness and end of life care; Describe the ways in which a palliative care physician can do an initial screen for psychosocial distress; Review expectations of working with learner and discuss how best to collaborate with social worker on team
19. Palliative Care EPIC Review **No CC**
- a. Jessica Casas, MD
 - b. Review EPIC templates for consult, progress, and PCP notes. Discuss tips/strategies for effective and efficient documentation.
20. Giving and Receiving Feedback (1hr) **PF, ICS**
- a. Jared Rubenstein, MD
 - b. Review strategies for giving and receiving feedback. Discuss feedback challenges unique to palliative care.
21. Professionalism (1hr) **PF**
- a. Jill Ann Jarrell, MD, Lindsey Gurganious, BSHA
 - b. Provide an overview of attitudes and behaviors expected of pediatric palliative care fellows. List and discuss daily activities, communication tips, and professional

development strategies that will elevate the learner from fellow to attending in one year.

22. Consultant Etiquette (1hr) **PF, SBP**

- a. Jared Rubenstein, MD
- b. Discuss the role of the consult team and medical consultant at a quaternary level academic children's medical center. Review the process and evidence base for leading family meetings.

 **Monthly Didactics**

- ✓ ***Held the 2nd and 4th Wednesday afternoons in the first half of the year. Held only the 2nd Wednesday of the month in the second half of the year.***
- ✓ ***Fellows College lectures scheduled separately from internal Palliative Care didactics.***
- ✓ ***Journal Clubs are held quarterly***
- ✓ ***Narrative Medicine Sessions are held on the 2nd Wednesdays***
- ✓ ***Fellows each lead one lecture during the year on a topic of their choosing***
- ✓ ***Board Review partnered with UT every 4th Wednesday in the second half of the year.***

23. Journal Club (1hr - Quarterly) **PBL, MK**

- a. TBD – Rotates amongst Palliative Care Core Faculty

24. Narrative Medicine Curriculum (1hr – Monthly) **MK, ICS, PC, SBP, PF**

- a. Dan Mahoney, MD
- b. HPM fellows will learn and practice the fundamental skills of narrative medicine via close reading of literature, poetry, essays and personal writing.
- c. HPM Fellows will use narrative medicine skills in patient encounters to build positive patient-physician relationships
- d. HPM Fellows will use narrative medicine skills to cultivate healthy professional development practices

25. Fellow Led Lecture (1hr – one lecture per fellow) **CC Pending topic and G&O**

- a. TBD – one lecture per fellow (2)

26. Palliative Care Board Review (1hr – monthly in second half of the year) **MK**

- a. University of Texas – Palliative Care Program

27. Perinatal and Neonatal Pain Management (1hr) **MK, PC**

- a. Jennifer Placencia, PharmD
- b. Review differences between neonatal and pediatric pain assessment and treatment, specifically addressing pharmacologic pain management

28. Communication Procedures: Active Listening (1hr) **ICS, P**

- a. Dan Mahoney, MD

- b. Review evidence base, discuss and role play implementation strategies.
29. Perinatal Palliative Care (1hr) **MK, PC, SBP**
- a. Alana Carpenter MD; Taryn Schuelke, CT, CCLS
 - b. Describe perinatal palliative care consultation process, review symptom
 - c. management, staff and family support surrounding fetal/neonatal demise or stillbirth
30. Talking to Children About Death and Dying (1hr) **ICS, PC**
- a. Taryn Schuelke, CT, CCLS
 - b. Review developmentally appropriate communication procedures for children regarding death and dying, identify resources available for additional support
31. Grief Theory (1hr) **PC, ICS, SBP**
- a. Taryn Schuelke, CT, CCLS
 - b. Review the many theories of grief and bereavement and how they apply to pediatric palliative care practice. Explore personal bias and misconceptions.
32. Methadone (1hr) **MK, PC**
- a. Kevin Madden, MD
 - b. Review pharmacology of methadone, discuss evidence base, clinical use and anticipatory guidance in pediatrics
33. Mental Health Symptom Management Part I (1hr) **MK, PC**
- a. Chadi Calarge, MD
 - b. Review common causes of anxiety, depression, and delirium. Discuss screening, assessment, management (including mechanism of action), documentation and anticipatory guidance
34. Mental Health Part II (1hr) **MK, PC, SBP**
- a. Chadi Calarge, MD
 - b. Review common causes of anxiety, depression, and delirium. Discuss screening, assessment, management (including mechanism of action), documentation and anticipatory guidance
35. Prognostic Uncertainty (1hr) **PC, ICS**
- a. Tammy Kang, MD
 - b. Recognize the role of uncertainty in medical decision making and communication as it pertains to both clinicians and families
36. Hospice 201 (1hr) **SBP, PC**
- a. Nancy Glass, MD
 - b. Review and discuss payment, enrollment and documentation regulations, review elements of home hospice
37. Legacy (1hr) **PC, ICS, SBP**
- a. Jared Rubenstein, MD, Taryn Schuelke, CT, CCLS
 - b. Review Dignity Therapy, discuss role of legacy in palliative care and end of life management

38. Bioethics in palliative care (1hr) **MK, PC, ICE, SBP**
- Frank Placencia, MD
 - Describe bioethical frameworks and discuss how they relate to palliative care
 - Review ethical principles behind some landmark cases related to pediatrics and palliative care
 - Discuss guidelines for what is and is not an appropriate use of ethics consult
39. Burnout, coping with work stress, and self-care (1hr) **MK, SBP, PBL, ICS**
- Nicole Schneider, PsyD
 - Describe phenomena of burnout as it relates to healthcare providers
 - Discuss self-care and healthy ways of coping with work stress
 - Review local resources available to trainees for support
40. Advanced opioid pharmacology (1hr) **MK, PC**
- Jennifer Placencia, PharmD
 - Describe pathophysiology of opioid tolerance, dependence, and withdrawal on the receptor level
 - Discuss phenomenon of hyperalgesia and the role of opioid receptor in this
41. Heart Failure and Transplant (1hr) **MK, PC**
- Jack Price, MD
 - Describe pathophysiology and epidemiology of pediatric heart failure. Review heart transplant medical review board process, eligibility criteria, outcomes and commonly experienced symptoms.
42. Lung Transplant (1hr) **MK, PC**
- Carolina Gazzaneo, MD
 - Describe pathophysiology and epidemiology of pediatric lung transplants. Review lung transplant medical review board process, eligibility criteria, outcomes and commonly experienced symptoms.
43. Liver Transplant (1hr) **MK, PC**
- John Goss, MD
 - Describe pathophysiology and epidemiology of pediatric liver transplants. Review liver transplant medical review board process, eligibility criteria, outcomes and commonly experienced symptoms.
44. Fatigue, Anorexia and Cachexia (1hr) **MK, PC**
- Regina Okhuysen, MD
 - Review pathophysiology, epidemiology and management of fatigue, anorexia and cachexia in PPC population.
45. Ketamine (1hr) **MK, PC**
- Gina Santucci, , MSN, FNP, APN-BC
 - Review pharmacology of ketamine, discuss evidence base, clinical use and anticipatory guidance in pediatrics

46. Advanced Pain Management: Palliative Sedation and Nutrition (1hr) **MK, PC**
 - a. Regina Okhuysen, MD
 - b. Review indications for palliative sedation, pharmacologic agents (including mechanism of action), and anticipatory guidance

47. Genetics and Palliative Care (1hr) **MK, PC**
 - a. Daryl Scott, MD
 - b. Recognize role of clinical genetics consultants, appreciate genetic testing uses and limitations, discuss relevant anticipatory guidance

48. Communication Procedures: Mediation (1hr) **ICS, PC, P**
 - a. Dan Mahoney, MD
 - b. Review evidence base, discuss and role play implementation strategies.

49. Risk Management (1hr) **SBP**
 - a. TBD
 - b. Review roles of institutional risk management and ethics services

50. Pediatric Palliative Oncology (1hr) **MK, PC**
 - a. Jessica Casas, MD
 - b. Review epidemiology, pathophysiology, treatment options and outcomes of commonly seen oncologic diagnoses

51. Bone Marrow Transplant and Palliative Care (1hr) **MK, PC**
 - a. Tami John, MD
 - b. Describe epidemiology, indications for, symptom morbidities and outcomes of different types of bone marrow transplant.

52. AYA Intimacy and Sexuality (1hr) **MK, PC**
 - a. TBD
 - b. Discuss role of intimacy and sexuality among AYA population with chronic or life limiting illness. Review resources for additional support.

53. Communication Procedures: Supportive Sexual History (1hr) **PC, ICS**
 - a. TBD
 - b. Review evidence base, discuss and role play implementation strategies.

54. Post Mortem Care (1hr) **MK, PC, SBP**
 - a. Joy Hesselgrave
 - b. Review the care and transport of the deceased patient

55. Wound Care (1hr) **MK, PC**
 - a. Shannon McCord, RN
 - b. Describe wound assessment and treatment options

56. Interventional Pain Management (1hr) **MK, PC, SBP**

- a. TBD
 - b. Describe different types of interventional pain management, recognize characteristics for identifying appropriate patients for interventional pain management techniques
57. Psychology in Palliative Care (1hr) MK, PC, SBP
- a. Nicole Schneider, PsyD, Rachel Kentor, PsyD
 - b. Review epidemiology of psychological issues in children, discuss consultation process, treatment options, and resources for additional support of patients, siblings and families
58. Rules and Practices of Billing (1hr) MK, SBP
- a. Jared Rubenstein, MD
 - b. Discuss basics of time-based and complexity-based billing and review utility of each
 - c. Review prolonged encounter coding
 - d. Discuss rationale for and use of critical care time and advance care planning billing
59. Educational Theory (1hr) MK, ICS, PBL
- a. Claire Crawford, LMSW
 - b. Discuss pertinent elements of educational theory relative to didactic and bedside medical education
 - c. Review strategies for effective classroom didactic education
 - d. Review strategies for effective bedside clinical teaching
60. Adult Palliative Care Intensive (3hr) MK, PC
- a. Adult Provider Colleagues – Rotate
 - b. Review etiology, staging and management of:
 - i. COPD and advanced lung disease
 - ii. Dementia
 - iii. Heart Failure and Cardiovascular Disease