

Competency-based Goals and Objectives for Educational Experience

Walter Reed National Military Medical Center Outpatient/Inpatient Pediatric Endocrinology Service

Rotation Information

Walter Reed National Military Medical Center (WRNMMC) hosts a pediatric endocrine fellowship program in close proximity to the NIH campus. Fellows receive training at WRNMMC for 2 months during the first year of their training. This rotation provides exposure to common and uncommon pediatric endocrine conditions in a different setting than Children's National Hospital, and expands their exposure to a variety of endocrine disorders, including but not limited to diabetes, neonatal endocrine disorders and others. During this rotation, Fellows follow the clinic and on-call schedule prepared by the local program director in coordination with the NIH program director. Fellows see a wide variety of pediatric endocrine patients in the outpatient clinic under Faculty supervision and work with the Diabetes Nurse Educator for additional exposure to diabetes education and diabetes technologies. The rotation includes 2 weeks of call/on-service time with the on-service Faculty Member. On-service, the Fellow fields inpatient consults, consults from outside providers, and calls from patients and families for urgent endocrine-related problems. There is also the opportunity to interpret pediatric DXA scans while on-service. Additionally, the Fellow participates in weekly academic conferences.

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Competency: Patient Care

Goal: Fellows must provide patient care that is effective, timely, safe and compassionate. This will be achieved through education and training of appropriate evaluation and management of pediatric endocrine/diabetes conditions in a variety of settings, including outpatient clinic and inpatient on-call service.

Objectives:

1. Demonstrate the knowledge, skills, and ability to gather and integrate essential and accurate medical information regarding their patients' complain and attain proficiency in history taking as it relates to all (patho)physiological endocrine systems.
2. Perform detailed physical examination with focus on endocrine-related physical findings and demonstrate the ability to interpret them.
3. Identify pertinent medical problems, and establish appropriate differential diagnoses
4. Suggest therapeutic interventions according to up-to-date evidence-based scientific knowledge, clinical judgment, consideration of risks and benefits, and integrating

patient(family) preferences, specifically considering cultural and socioeconomic preferences.

5. Provide timely consultation on patients who require pediatric endocrine assessment.

Competency: Medical Knowledge

Goal: Fellows must develop in-depth knowledge about endocrine, biomedical, clinical, and pediatric scientific information and consistently apply this knowledge to patient care. The medical knowledge will include physiologic mechanisms of endocrine functions as well as medical knowledge on endocrine diseases, including their epidemiology, pathophysiology, clinical presentation, differential diagnosis, diagnostic evaluation and appropriate management. During the WRNMMC rotation, fellows must expand their knowledge on common and uncommon pediatric endocrine conditions, diabetes evaluation and management, and neonatal endocrine disorders.

Objectives:

1. Demonstrate the ability to present systematically and interpret findings collected during the medical history and physical examination of the patient.
2. Demonstrate the ability to search medical knowledge in textbooks and libraries, and identify current evidence-based clinical guidelines and recommendations that pertain to patient care or educational activities.
3. Attend all endocrine-related educational conferences.
4. Develop knowledge and expertise in the use of available laboratory assays as well as the interpretation of endocrine tests, including source(s) of error and limitations of each technique.
5. Gain knowledge on diabetes diagnosis, patient diabetes education, diabetes management, including but not limited to pumps, insulin formulations etc, and management of diabetes urgencies and emergencies.
6. Gain knowledge on assessment and management of neonatal endocrine disorders.

Competency: Systems-based Practice

Goal: Fellows must demonstrate knowledge of their role and responsibilities as part of the health care system and of the appropriate use of resources of the health care system to provide optimal care.

Objectives:

1. Demonstrate medical practices that are cost-effective without compromising quality of care.
 2. Advocate for quality patient care.
 3. Understand when it is appropriate to utilize other services/resources for the best patient care, including but not limited to consults of other specialties, social worker services, case management and others.
 4. Work efficiently in multi-disciplinary team by ensuring effective coordination of care of patients with complex medical problems
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Competency: Practice-based learning and Improvement

Goal: Fellows must develop learning skills, personal reflection, and professional integrity to continuously update and improve patient care practices based on current evidence-based guidelines. They must also develop skills to identify medical knowledge through the use of medical textbooks, clinical guidelines, online medical databases and medical information resources, such as Pubmed, Scopus etc.

Objectives:

1. Identify areas for improvement related to patient care practices and develop and implement strategies to enhance knowledge and skills related to patient care and the research process.
 2. Familiarize with electronic online medical databases, scientific article libraries, data deposition tools etc and demonstrate competency in identifying appropriate information that pertains to patient care.
 3. Analyze practice experience and perform practice-based improvement activities using a systematic methodology.
 4. Facilitate the learning of medical students, residents and other health care providers.
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Competency: Professionalism

Goals: Fellows must develop and strengthen professional skills, adhere to ethical principles, and demonstrate empathy to a diverse patient population. They are also expected to behave professionally, respectfully and efficiently with consulting and referring physicians, administrative and other supporting staff that they work with during their work duties.

Objectives:

1. Demonstrate respect, compassion, and responsiveness to needs of the patient and family.

2. Demonstrate sensitivity and responsiveness to gender, culture, age, religion, sexual preference, socioeconomic status, and disabilities of patients, families, and professional colleagues, and incorporate these factors in medical decisions.
 3. Demonstrate a commitment to ethical principles pertaining to patient care and participation in research protocols, informed consent, and confidentiality of patient information.
 4. Demonstrate professional behavior, responsibility, and accountability towards consulting and referring physicians, administrative and other supporting staff.
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Competency: Interpersonal and Communication Skills

Goal: The fellow must establish respectful and efficient communication with their patients and other health care professionals who are involved in their case to ensure the most optimal medical care. The fellow must present and work efficiently in multidisciplinary teams, and provide accurate and clear information when required.

Objectives:

1. Create and sustain efficient communication with patients and families and demonstrate the ability to use effective listening, non-judgemental questions, and narrative skills in communication.
2. Show empathy in emotional situations and involve appropriate professionals when needed (such as social workers or patient representatives) to facilitate communication and ensure optimal patient care.
3. Provide effective and professional consultation to other health care professionals and work efficiently in multi-disciplinary team by ensuring effective coordination of patient care of patients with complex medical problems
4. Provide communication about the patient (history and physical, assessment, diagnosis, plan of evaluation and/or treatment, progress notes, and discharge summary) thoroughly and accurately, in accordance with the policies of the medical records department, as well as maintain patient confidentiality.
5. Complete documentation of medical records in a timely fashion according to local policies with accurate and detailed information.
6. Provide safe, accurate and complete sign out of patients when transferring care.