

**MEDICAL EXPERT
Knowledge**

- 1) To understand the pathophysiology of diabetes mellitus, obesity, thyroid disease in children and disorders of growth and puberty, hypoglycemia and ambiguous genitalia.
- 2) To develop a rational and cost-effective approach to the investigation of children with such disorders including the appropriate use of growth charts.
- 3) To develop an approach to other endocrine disorders including: SIADH, Calcium regulation, Adrenal abnormalities, dyslipidemias, genetic syndromes (Turner's Syndrome, Klinefelter's Syndrome and Multiple Endocrine Neoplasia Syndromes)

In addition for PGY3: To refine decision-making skills in the management of diabetes mellitus, obesity and thyroid disease of childhood.

Technical Skills

1) *History*

Demonstrate ability to take a focused history in relation to an endocrine presentation, identifying both pertinent positives and negatives and incorporating family history as necessary

2) *Physical Examination*

Perform focused physical examination relevant to the endocrine system of interest

3) *Interpretation of Common Endocrine tests*

Have an understanding of the principles underlying various endocrine tests including provocative testing of specific endocrine axes

4) *Appreciate the limitations of certain tests*

5) *Order endocrine testing in a logical, cost-effective manner*

6) *Imaging Studies*

Understanding the application of basic imaging strategies including MRI, CT scanning, U/S and nuclear medicine to the evaluation of endocrine disorders
Understand the uses of bone age determinations in the evaluation of endocrine disease

PGY3: Order endocrine testing in a logical, cost-effective manner.
Appreciate the limitation of certain tests

COMMUNICATOR

- 1) Able to explore, in a sensitive manner, the psychosocial impact on patient/families of disorders of growth, sexual development and chronic disease
- 2) Demonstrates the ability to communicate effectively with patients and families regarding diagnosis, prognosis and management of endocrine disorders
- 3) Demonstrates ability to communicate verbally and in writing, the endocrine assessment of patients

COLLABORATOR

- 1) Demonstrates ability to work effectively with allied health professionals

PGY3: Collaborates effectively and efficiently with other subspecialty physicians and teams involved in the patients' care.

MANAGER

- 1) Sets realistic priorities and uses time effectively in order to optimize professional performance

PGY3: Orders endocrine testing in a logical, cost-effective manner.

HEALTH ADVOCATE

- 1) The resident should demonstrate and promote active involvement of the family in decision-making and care of the child, as appropriate.

SCHOLAR

- 1) Demonstrates a commitment to continuous learning. Develops and implements an effective personal learning plan
- 2) Is able to critically appraise relevant medical literature

PGY3: Facilitates learning of patients, families and junior trainees

PROFESSIONAL

- 1) The resident should demonstrate professional behavior including honesty, compassion, respect for patients and families and punctuality.
- 2) Demonstrates an awareness of own limitations and seeks advice where necessary
- 3) Demonstrates respect for patient confidentiality
- 4) Meets deadlines, is punctual and provides patient follow-up
- 5) To become familiar with ethical issues surrounding the use of growth hormone and assessment or counseling of families of children with ambiguous genitalia.

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