**Initial Accreditation Application: Endocrinology, Diabetes, and Metabolism**

**(Internal Medicine)**

401 North Michigan Avenue · Chicago, Illinois 60611 · United States · +1.312.755.7042 www.acgme-i.org

**Submission for Initial Accreditation:** This Advanced Specialty Application is for programs applying for **Initial Accreditation ONLY** and is used in conjunction with the Accreditation Data System (ADS).

All sections of the form applicable to the program must be completed for it to be accepted for review. The information provided should describe the existing program. For items that do not apply, indicate “N/A” in the space provided. Where patient numbers are requested, provide exact numbers as requested and indicate the exact dates for the data entered. If any requested information is unavailable, an explanation must be given, and it should also be indicated as unavailable in the appropriate place on the form. Once the form is complete, number the pages sequentially in the bottom center.

The program director is responsible for the accuracy of the information supplied in this form, and must sign it. It must also be signed by the designated institutional official (DIO) of the Sponsoring Institution, who will submit the application electronically in ADS.

Review the International Foundational Program Requirements for Graduate Medical Education and Advanced Specialty Program Requirements for Graduate Medical Education in Endocrinology, Diabetes and Metabolism . The International Foundational, Advanced Specialty, and Institutional Requirements may be downloaded from the ACGME International website: [www.acgme-i.org](http://www.acgme-i.org/).

Email questions regarding the form’s content to [acgme-i@acgme-i.org](mailto:acgme-i@acgme-i.org).

Email questions regarding ADS to [ADS@acgme.org](mailto:ADS@acgme.org) (type the program number in the subject line).

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| Program Name: Click here to enter text. |

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**Introduction**

**Duration and Scope of Education**

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| * + - 1. What will be the length, in months, of the educational program? Choose an item. |

**Institutions**

**Sponsoring Institution**

1. Will the fellowship function as an integral part of an ACGME-I-accredited residency in internal medicine? YES NO

Explain if ‘NO.’ (Limit 250 words)

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**Program Personnel and Resources**

**Other Program Personnel**

* + - 1. Will fellows have a close working relationship with the following?

1. Dietary and/or nutrition services YES NO
2. General surgery YES NO
3. Nephrology YES NO
4. Neurological surgery YES NO
5. Neurology YES NO
6. Obstetrics and gynecology YES NO
7. Ophthalmology YES NO
8. Pediatrics YES NO
9. Podiatry YES NO
10. Urology YES NO

Explain any ‘NO’ responses. (Limit 250 words)

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**Resources**

1. Will the following laboratory and imaging services be available to the program?
   * + - 1. Immunohistologic studies YES NO
         2. Karyotyping studies YES NO
         3. A complete biochemistry laboratory YES NO
         4. Facilities for hormone immunoassays YES NO
         5. Nuclear, ultrasound, and radiologic facilities, including bone density YES NO

Explain any ‘NO’ responses. (Limit 250 words)

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**Fellow Appointment**

**Eligibility Criteria**

1. How will the program ensure that, prior to appointment, fellows have completed an ACGME-I-accredited internal medicine residency program or another internal medicine residency acceptable to the Sponsoring Institution’s Graduate Medical Education Committee? (Limit 250 words)

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**Specialty-Specific Educational Program**

**ACGME-I Competencies**

**Professionalism**

1. How will graduating fellows demonstrate a commitment to fulfilling their professional responsibilities and adhering to ethical principles?. (Limit 300 words)

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**Patient Care and Procedural Skills**

1. How will graduating fellows demonstrate the ability to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health? (Limit 300 words)

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1. How will graduating fellows demonstrate competence in a variety of health care settings, including inpatient and ambulatory settings? (Limit 300 words)

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1. How will graduating fellows demonstrate competence in the following?
   1. Providing care for patients with whom they have limited or no physical contact through telemedicine
   2. Using critical thinking and evidence-based tools
   3. Using population-based data

Describe how competence will be evaluated for each of the above. (Limit 300 words)

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1. How will graduating fellows demonstrate competence in the evaluation and management of hormonal problems, including diseases, infections, neoplasms, and other causes of dysfunction in the following endocrine organs?

Adrenal cortex and medulla

Hypothalamus and pituitary

Ovaries and testes

Pancreatic islets

Parathyroid

Thyroid

Provide examples of how competence will be assessed in four of the six areas listed. (Limit 400 words)

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1. How will graduating fellows demonstrate competence in the care of patients with Type 1 and Type 2 diabetes, including the following?
2. Atypical /diabetes
3. Cystic fibrosis-related diabetes
4. Diabetes detection and management during pregnancy
5. Evaluation and management of acute, life-threatening complications of hyper- and hypoglycemia
6. Evaluation and management of intensive insulin therapy in critical care and surgical patients
7. Intensive management of glycemic control in the ambulatory setting
8. Latent autoimmune diabetes in adults
9. Long-term goals, counseling, education, and monitoring
10. Monogenic diabetes
11. Multidisciplinary diabetes education and treatment programs
12. Prevention and surveillance of microvascular and macrovascular complications
13. Transplant-related diabetes

Provide examples of how competence will be assessed in six of the 12 areas listed. (Limit 600 words)

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1. How will graduating fellows demonstrate competence in the care of patients with the following?
2. Calcium, phosphorus, and magnesium imbalances
3. Disorders of bone and mineral metabolism, with particular emphasis on the diagnosis and management of osteoporosis
4. Disorders of fluid, electrolyte, and acid-base metabolism
5. Gonadal disorders
6. Nutritional disorders of obesity, anorexia nervosa, and bulimia

Provide examples of how competence will be assessed in three of the five areas listed. (Limit 300 words)

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1. How will graduating fellows demonstrate competence in the following?
2. Computed tomography (CT)
3. Diagnosis and management of ectopic hormone production
4. Diagnosis and management of lipid and lipoprotein disorders
5. Genetic screening and counseling for endocrine and metabolic disorders
6. Interpretation of hormone assays
7. Interpretation of laboratory studies, including the effects of non-endocrine disorders on these studies
8. Interpretation of skeletal dual photon absorptiometry
9. Interpretation of stimulation and suppression tests
10. Magnetic resonance imaging (MRI)
11. Quantification of bone density
12. Radionuclide localization of endocrine tissue
13. Thyroid fine needle biopsy
14. Ultrasonography of the soft tissues of the neck

Provide examples of how competence will be assessed in six of the 13 areas listed. (Limit 600 words)

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**Medical Knowledge**

* + - 1. How will graduating fellows demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care? (Limit 400 words)

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1. How will graduating fellows demonstrate knowledge of the scientific method of problem solving and evidence-based decision-making? (Limit 300 words)

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1. How will graduating fellows demonstrate knowledge of the therapeutic procedures integral to the discipline, including indications, contraindications, techniques, limitations, complications, interpretation of results, and the appropriate indications for and use of screening tests and procedures? (Limit 400 words)

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1. How will graduating fellows demonstrate knowledge of basic laboratory techniques, including quality control, quality assurance, and competence standards? (Limit 300 words)

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1. How will graduating fellows demonstrate knowledge of the following?
2. Biochemistry and physiology, including cell and molecular biology, as they relate to endocrinology, diabetes, and metabolism
3. Developmental endocrinology, including growth and endocrinology, diabetes, growth and development, sexual differentiation, and pubertal maturation

Provide an example of how knowledge will be assessed in each of the areas listed. (Limit 300 words)

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1. How will graduating fellows demonstrate knowledge of the following?
2. Endocrine adaptations and maladaptations to systemic diseases
3. Endocrine aspects of psychiatric diseases
4. Endocrine physiology and pathophysiology in systemic diseases and principles of hormone action
5. Genetics as related to endocrine diseases

Provide examples of how knowledge will be assessed in three of the four areas listed. (Limit 300 words)

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1. How will graduating fellows demonstrate knowledge of the following?
2. Parenteral nutrition support
3. Pathogenesis and epidemiology of diabetes mellitus
4. Signal transduction pathways and biology of hormone receptors
5. Whole organ and islet cell pancreatic transplantation

Provide an example of how knowledge will be assessed in three of the four areas listed. (Limit 300 words)

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1. How will fellows demonstrate knowledge of application of technology appropriate for the clinical context, including evolving technologies? (Limit 300 words)

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**Practice-Based Learning and Improvement**

1. How will graduating fellows demonstrate their ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning?. (Limit 300 words)

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**Interpersonal and Communication Skills**

1. How will graduating fellows demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, patients’ families, and other health professionals? (Limit 300 words)

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1. How will graduating fellows demonstrate competence in educating patients about the rationale and technique for, and complications of thyroid biopsy? (Limit 300 words)

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**Systems-Based Practice**

1. How will graduating fellows demonstrate an awareness of and responsiveness to the larger context and system of health care, as well as the ability to call effectively on other resources in the system to provide optimal health care? (Limit 300 words)

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**Regularly Scheduled Educational Activities**

1. Complete Appendix A., Formal Didactic Sessions by Academic Year, and attach to submission.
2. Will fellows have the following?
3. Opportunity to review all knowledge content from conferences they cannot attend? YES NO
4. Educational activities that allow for fellow-to-fellow interaction? YES NO
5. Educational activities that allow for fellow-to-faculty member interaction? YES NO

Explain any ‘NO’ responses. (Limit 250 words)

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**Clinical Experiences**

* + - 1. How will the program ensure that rotations are structured to:

1. allow fellows to function as part of an effective interprofessional team;
2. minimize conflicting inpatient and outpatient responsibilities;
3. minimize the frequency of transitions;
4. provide continuity of patient care;
5. provide ongoing supervision of fellows; and,
6. provide meaningful assessment and feedback?

Describe how this will be achieved. (Limit 300 words)

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1. Will fellows have the following?
   * + - 1. Educational experiences in team-based care with other health care professionals YES NO
         2. Elective experiences relevant to their future practice YES NO
         3. Experience in the role of endocrinology consultant in both an inpatient and outpatient setting YES NO
         4. Training using simulation YES NO
         5. A structured continuity ambulatory clinic experience for the duration of the program that exposes them to the breadth and depth of cardiology? YES NO

Explain any ‘NO’ responses. (Limit 250 words)

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* + - 1. Will there be a minimum of 12 months of the educational program devoted to clinical experiences?  
          YES NO

Explain if ‘NO.’ (Limit 250 words)

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1. Will fellows have a structured continuity ambulatory clinic experience for the duration of the program that exposes them to the breadth and depth of endocrinology, diabetes, and metabolism? YES NO
2. Will fellows have an average of two half-days a week in the ambulatory clinic throughout the educational program? YES NO

Explain any ‘NO’ responses to Questions 4-5 above. (Limit 250 words)

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1. Will the continuing patient care experience interrupted be by more than one month, excluding vacation?

YES NO

Explain if ‘YES.’ (Limit 250 words)

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**Scholarly Activity**

How will the program ensure that all fellows engage in scholarly activity? (Limit 300 words)

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**The Learning and Working Environment**

**Supervision and Accountability**

How will the program ensure that direct supervision of procedures performed by each fellow occurs until competence has been acquired and documented by the program director? (Limit 300 words)

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**Appendix A. Formal Didactic Sessions by Academic Year**

For each year of the fellowship, attach (Label: Appendix A.) a list of all scheduled didactic courses (including discussion groups, seminars and conferences, grand rounds, basic science, skills labs, and journal club) at all participating sites to which fellows will rotate, using the format below. If attended by fellows from multiple years, list in each year but provide a full description *only the first time a site is listed*.

Number sessions **consecutively** from the first year through the final year so that the scheduled didactic sessions can be easily referenced throughout the application. **Be brief and use the outline that follows**.

Year in the Program:

Number:                Title:

a) Type of Format (e.g., seminar, conference, discussion groups)

b) Required or elective

c) Brief description (three or four sentences)

d) Frequency, length of session, and total number of sessions

**Example:**

|  |
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| Y-1  01. Introduction to Endocrinology, Diabetes, and Metabolism  a) Seminar  b) Required Y-1  c) Survey of contemporary methods and styles of endocrinology, including approaches to clinical work with minority populations.  d) Weekly, for 8 sessions.  02. Departmental Grand Rounds  a) Discussion groups  b) Required, Y-1, Y-2, Y-3; Elective Y-4  c) Clinical case presentations, sponsored by each departmental division, followed by discussion and review of contemporary state of knowledge. Format includes fellow presentations and discussions with additional faculty discussant.  d) Twice monthly, 24 sessions |

If fellow attendance will be monitored, explain how this is to be accomplished and how feedback will be given regarding non-attendance (Limit 250 words).

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