The Integrated National Board Dental Examination (INBDE)

Dr. David M Waldschmidt
Secretary, JCNDE and Director, Department of Testing Services

ADEA Annual Session
Council of Students, Residents, and Fellows (COSRF)
March 19, 2017
The successful entry-level general practitioner is focused on the prevention, diagnosis, and management of oral disease, and the promotion and maintenance of general health. This requires application of knowledge in the following areas:

<table>
<thead>
<tr>
<th>FK1</th>
<th>Molecular, biochemical, cellular, and systems-level development, structure and function</th>
</tr>
</thead>
<tbody>
<tr>
<td>FK2</td>
<td>Physics and chemistry to explain normal biology and pathobiology</td>
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<tr>
<td>FK3</td>
<td>Physics and chemistry to explain the characteristics and use of technologies and materials</td>
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<tr>
<td>FK4</td>
<td>Principles of genetic, congenital and developmental diseases and conditions and their clinical features to understand patient risk</td>
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<tr>
<td>FK5</td>
<td>Cellular and molecular bases of immune and non-immune host defense mechanisms</td>
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<tr>
<td>FK6</td>
<td>General and disease-specific pathology to assess patient risk</td>
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<tr>
<td>FK7</td>
<td>Biology of microorganisms in physiology and pathology</td>
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<tr>
<td>FK8</td>
<td>Pharmacology</td>
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<tr>
<td>FK9</td>
<td>Sociology, psychology, ethics and other behavioral sciences</td>
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<tr>
<td>FK10</td>
<td>Quantitative knowledge, critical thinking, and informatics tools</td>
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</tbody>
</table>
Basic and Foundation Sciences covered in part by Foundation Knowledge 1 (FK1)

| FK1 | Molecular, biochemical, cellular, and systems-level development, structure and function |

- Gross Anatomy
- Head and Neck Anatomy
- Dental Anatomy
- Cancer Biology
- Cell Biology
- Biochemistry
- Embryology
- General and Systemic Pathology
- Genetics
- General Histology
- Molecular Biology
- Membrane Biology
- Molecular Pathology
- Oral Histology
- Oral Biology
- Occlusion/Gnathology
- Neuroscience
- Nutrition
- Physiology
- Pharmacology

Color Coding

| Part I | Part II | Parts I & II | NEW |

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Basic and Foundation Sciences covered in part by Foundation Knowledge 2 (FK2)

| FK2 | Physics and chemistry to explain normal biology and pathobiology |

- General and Systemic Pathology
- Pharmacology
- Physiology

Color Coding

- Part I
- Part II
- Parts I & II
- NEW
Basic and Foundation Sciences covered in part by Foundation Knowledge 3 (FK3)

| FK3 | Physics and chemistry to explain the characteristics and use of technologies and materials |

- Biophysics
- Biomaterials
- Dental Material Sciences
- Basic Radiology

Color Coding

<table>
<thead>
<tr>
<th>Part I</th>
<th>Part II</th>
<th>Parts I &amp; II</th>
<th>NEW</th>
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Basic and Foundation Sciences covered in part by Foundation Knowledge 4 (FK4)

| FK4 | Principles of genetic, congenital and developmental diseases and conditions and their clinical features to understand patient risk |

- Craniofacial Biology
- Developmental Biology
- Embryology
- Genetics
- Hereditary Medicine

Color Coding:
- Part I
- Part II
- Parts I & II
- NEW
Basic and Foundation Sciences covered in part by Foundation Knowledge 5 (FK5)

| FK5 | Cellular and molecular bases of immune and non-immune host defense mechanisms |

- Immunology
- Immuno-pathology & Biology
- Microbiology
- Virology
- Mycology
- Parasitology

Color Coding:
- Part I
- Part II
- Parts I & II
- NEW
Basic and Foundation Sciences covered in part by Foundation Knowledge 6 (FK6)

**FK6 | General and disease-specific pathology to assess patient risk**

- Cellular and Molecular Pathology
- General and Systemic Pathology
- Pharmacology
- Immunopathology

**Color Coding**

- **Part I**
- **Part II**
- **Parts I & II**
- **NEW**
Basic and Foundation Sciences covered in part by Foundation Knowledge 7 (FK7)

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**Color Coding**

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Basic and Foundation Sciences covered in part by Foundation Knowledge 8 (FK8)

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<tr>
<th>FK8</th>
<th>Pharmacology</th>
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- Basic and Applied Pharmacology
- Biomedical Research
- Cancer Biology
- Evidence-based Dentistry
- Public Health Policy

Color Coding:
- Part I
- Part II
- Parts I & II
- NEW
Basic and Foundation Sciences covered in part by Foundation Knowledge 9 (FK9)

| FK9 | Sociology, psychology, ethics and other behavioral sciences |

- Applied Pharmacology
- Applied Nutrition
- Behavioral Sciences
- Communicat. Skills
- Cultural Competence
- Community Health
- Child & Adult Psychology
- Dental and Medical Informatics
- Ergonomics
- Ethics
- Geriatric Dentistry and Medicine
- Patients with Special Needs
- Public Health
- Sociology

Color Coding:

- Part I
- Part II
- Parts I & II
- NEW

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Basic and Foundation Sciences covered in part by Foundation Knowledge 10 (FK10)

| FK10 | Quantitative knowledge, critical thinking, and informatics tools |

- Applied Research
- Community Dentistry
- Critical evaluation of the scientific literature
- Dental, Medical and Health Informatics
- Dental Public Health
- Descriptive & Analytical Epidemiology
- Evidence-based Dentistry
- Health Promotion
- Library sciences
- Preventive Dentistry
- Statistics

Color Coding

- **Part I**
- **Part II**
- **Parts I & II**
- **NEW**