

Graduation Competence and Competencies

Tokushima University School of Medicine

1. Ethics and Professionalism

By the time of graduation, students of Tokushima University School of Medicine have ethical perspectives and values appropriate for physicians and be able to conduct themselves in compliance with the law. They continuously improve their ability and attitude through reflection and self-assessment.

- (1) Understand medical ethics and bioethics, and act in compliance with them
- (2) Comply with laws and norms, including those related to confidentiality
- (3) Act in a sincere manner with respect for human diversity and dignity
- (4) Maintain professional appearance and demeanor appropriate for a physician
- (5) Constantly self-evaluate and improve their own knowledge, skills, and attitudes
- (6) Be committed to reciprocally teach and learn from colleagues as well as other health professionals and educate and train younger physicians

2. Interpersonal Communication Skills

By the time of graduation, students of Tokushima University School of Medicine are able to communicate effectively with others and understand their roles.

- (1) Establish effective communication that respects the perspectives and diversity of patients and their families by engaging in empathetic listening and dialogue
- (2) Building mutual trust among healthcare professionals requires understanding each other's roles
- (3) Effectively communicate using information and communication technologies
- (4) Deepen interpersonal relationships Through continuous communication

3. Medical Knowledge

By the time of graduation, students of Tokushima University School of Medicine demonstrate the knowledge in the following areas, pertaining to basic, clinical, and social medicine, that forms the basis of medical care and research and are able to apply the knowledge to practice.

- (1) Normal anatomical structures and functions
- (2) Heredity, development, growth, aging, and death
- (3) Mind and behavior

- (4) Disease mechanisms and pathological conditions
- (5) Medical care and treatment
- (6) Medical safety and infection control
- (7) Epidemiology and prevention
- (8) Health, medical care, welfare, and nursing care systems
- (9) Medical economics, medical policies, and health care services covered by health insurance

4. Clinical Skills and Patient Care

By the time of graduation, students of Tokushima University School of Medicine are able to practice effective, appropriate, and safe patient-centered care by holistically understanding patients' problems from tumor-agonistic and psychosocial perspectives.

- (1) Systematically and appropriately take medical history and psychosocial information necessary for patient care
- (2) Appropriately perform basic physical examinations, clinical procedures, and emergency treatment, including cardiopulmonary resuscitation
- (3) Interpret primary laboratory and imaging findings
- (4) Perform clinical reasoning based on obtained information and data, make diagnoses, and formulate treatment plans
- (5) Capable of searching for relevant information using academic papers, electronic resources, artificial intelligence, and practicing scientifically based medicine
- (6) Generate and maintain accurate medical records and orally present them
- (7) Prepared to practice in collaborative determination with patients and healthcare providers regarding treatment policies with an understanding of informed consent
- (8) Acquire knowledge and skills related to patients' and families' psychological and behavioral changes, enabling adaptation to patient care and rehabilitation
- (9) Implement measures for medical safety and infection control
- (10) Practice team medicine based on mutual trust
- (11) Continuously review and assess the quality of health care and be prepared to make improvements

5. Societal Aspect of Health Care and Contribution to Society

By the time of graduation, students of Tokushima University School of Medicine are prepared to contribute to society by understanding the characteristics and needs of their communities from an economic perspective, striving to provide appropriate medical care, and enhancing public health.

- (1) Understand societal and regional health care problems; actively contribute to

- solving them by cooperating with health, medical care, welfare, nursing care, as well as administrative personnel; and convey relevant information to the public
- (2) Have an understanding of disease prevention and health promotion and be prepared to implement measures for them
 - (3) Understand the role of physicians in the event of disaster and be prepared to assume the role
 - (4) Understand the significance of the health insurance system in this country and the role of each insurance medical institution and be prepared to provide health care with consideration for economic efficiency

6. Scientific Inquiry and Research Competencies

By graduation, students of Tokushima University School of Medicine are able to conduct research and understand basic, clinical, and social medicine processes. Furthermore, they are able to contribute to the development of medicine by discussing obtained results scientifically and disseminating the findings.

- (1) Understand and follow research ethics
- (2) Explore medical problems that are not yet known or solved and work toward their solution
- (3) Formulate hypotheses and test them using scientific methods
- (4) Perform analyses by selecting appropriate statistical tests while utilizing information and advancements in science and technology, such as artificial intelligence
- (5) Give presentations and write papers employing critical and ethical thinking

7. Global Competencies

By the time of graduation, students of Tokushima University School of Medicine are able to gain an understanding of the current state of medicine and health care from an international perspective. Having acquired adequate language and communication skills, they are prepared to provide global health care.

- (1) Communicate with an international perspective in clinical, research, and social settings
- (2) Conduct themselves with respect for cultural, social, and religious diversity
- (3) Obtain, understand, and transmit various types of information using English and other languages