

#### Veterinarians in Japan

Clinicians: 19,522 (49.9%)

• Farm animals: 4,317 (11%)

Small animals: 15,205 (38.9%)





- Public health field: 5,518 (14.1%)
- Education and other fields: 505 (1.3%)
- Private organizations and corporations: 5,570 (14.2%)
- ❖ Others: 4,550 (11.6%)

TOTAL: 39,098



### Veterinarians' Act (excerpt)

Chapter I - Article1 (General Provisions)

Veterinarians shall contribute to the improvement and promotion of animals' hygiene and health, and public health through the administration of medical care and health guidance of rearing animals.

■ Chapter II - Article 3 (Licensing)

A person who wishes to become a veterinarian shall pass the National Examination for Veterinarians and receive a license from the Minister of Agriculture, Forestry and Fisheries.

Chapter IV - Article 17 (Administrative Affairs)

No person except a veterinarian shall engage in veterinary practice for rearing animals (cattle, horse, sheep, goat, pig, dog, cat, chicken...).

# The Japanese National Examination for Veterinarians

**Fukuoka** 

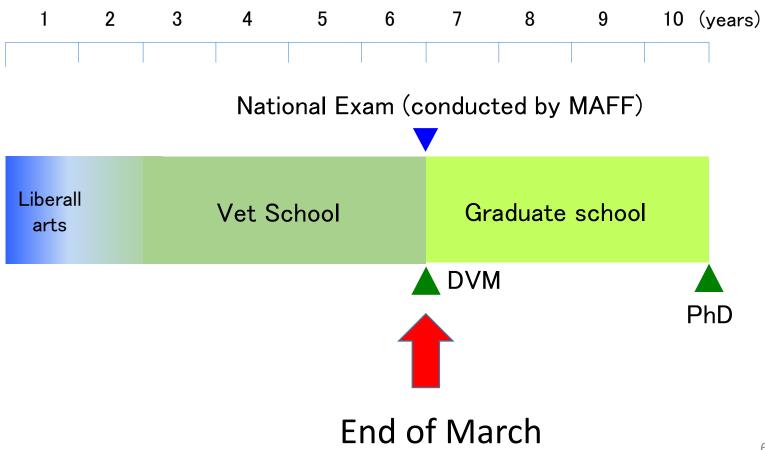
- once a year
- at 3 sites (Tokyo, Sapporo and Fukuoka)
- for two days in mid to late February
- by the Ministry of Agriculture, Forestry and Fisheries



#### Exam Eligibility Requirements

- Chapter 2 Article 11
- (i) a person who has studied in and graduated from a formal program in veterinary science at a university under the School Education Act (Act No. 26 of 1947).
- (ii) a person who has graduated from a veterinary school in a foreign state, or who has acquired a veterinary practitioner's license in a foreign state, who possesses at least the same level of knowledge and skills as the persons described in the one items above and whom the Minister of Agriculture, Forestry and Fisheries has approved as eligible to take the National Examination for Veterinary Practitioners.

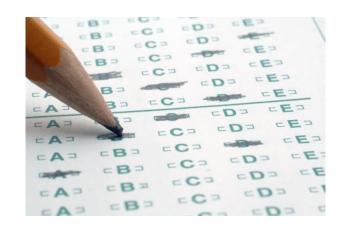
#### Veterinary Education System in Japan



### Students graduate the university in late March

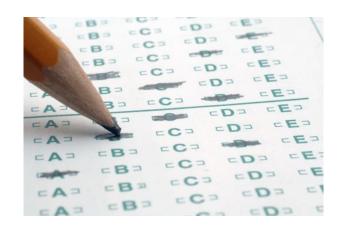
- The National Examination is conducted in mid to late February
- All students eligible to graduate from the university with a formal program in veterinary science in Japan on March 31 of the same year may sit for the examination.
- For a person who has graduated from a veterinary school in a foreign country, or who has acquired a veterinarian's license in a foreign country, JLPT (Japanese-Language Proficiency Test) N1 certification is necessary to take the National Examination.

#### The National Examination



- A paper-based test with 330 multiple-choice questions
- Covering basic medicine, clinical medicine and hygienics
  - 50 essential questions covering essential veterinary medical knowledge, ethics and animal welfare
  - 140 questions for basic medicine
  - 140 questions for clinical medicine

#### The passing level



A paper-based test with 330 multiple-choice
 questions
 70% or more correct

Covering basic medicine, clinical m

hygienics

 50 essential questions covering essential veterinary medical knowledge, ethics and animal welfare

140 questions for basic medicine

140 questions for clinical medicine

60% or more correct answers

# The standard of national examination

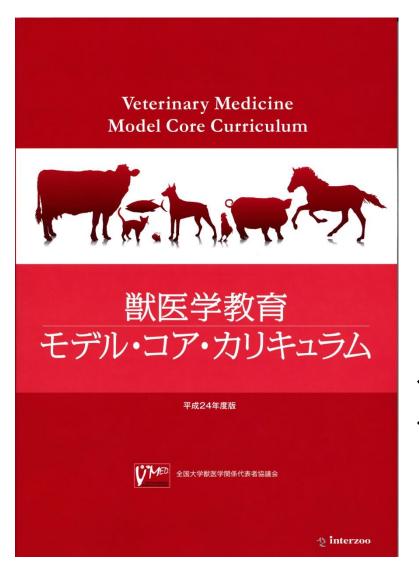
- is published and available for all candidates to view before taking the examination
- Includes 51 subjects
  - anatomy, physiology, pathology, surgery, gastroenterology...

#### 獣医師国家試験 出題基準 (平成26年改正)

平成26年9月4日

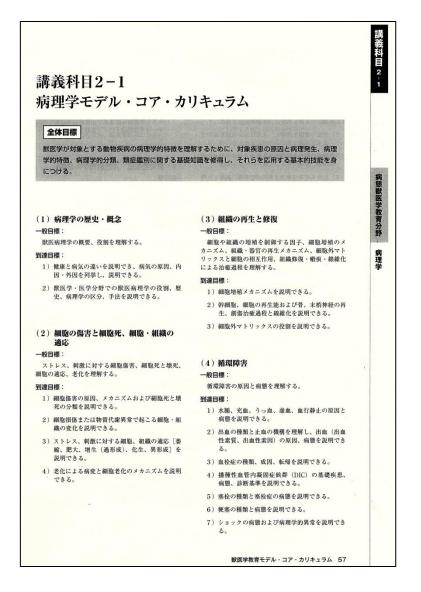
獣 医 事 審 議 会

#### Model Core Curriculum



- Completed in 2012
- Started in 2013 at UTokyo first, and sequentially at other vet schools

# The Model Core Curriculum Consists of "Total aims", "General aims", and "Attainment aims"



2-1 Pathology: Model core curriculum Total aim:\*\*\*\*\*\*\*\*\*\*\*\*\*\*

- (1) Concept and history of pathology
- (2) Cell injury, cell death and cell adaptation
- (3) Regeneration and repair

General aim: To understand factors which \*\*\*\*\*\*

#### Attainment aims:

Students can explain

- 1) Cell proliferation mechanism
- 2) Roles of extracellular matrices
- 3) \*\*\*\*\*\*\*\*

### Exam preparer's

- Exam questions are created by the members of the examination committee
  - 51 members
  - Faculty of veterinary schools and teaching hospitals
  - Researchers in veterinary science related institutes
  - Veterinary clinicians
- Used questions will not be publicized

#### Exam questions creation schedule

- 18 to 23 questions by each member ~mid-August (about 3 times of 330 questions used in the exam)
- Selection and correction of the questions created by other 7 committee members ~mid-January
   (22 whole day committee meetings)
- Printing
- National exam

mid-Feburary

#### Time schedule of the national exam

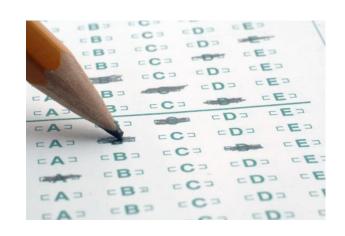
1<sup>st</sup> day 2<sup>nd</sup> day

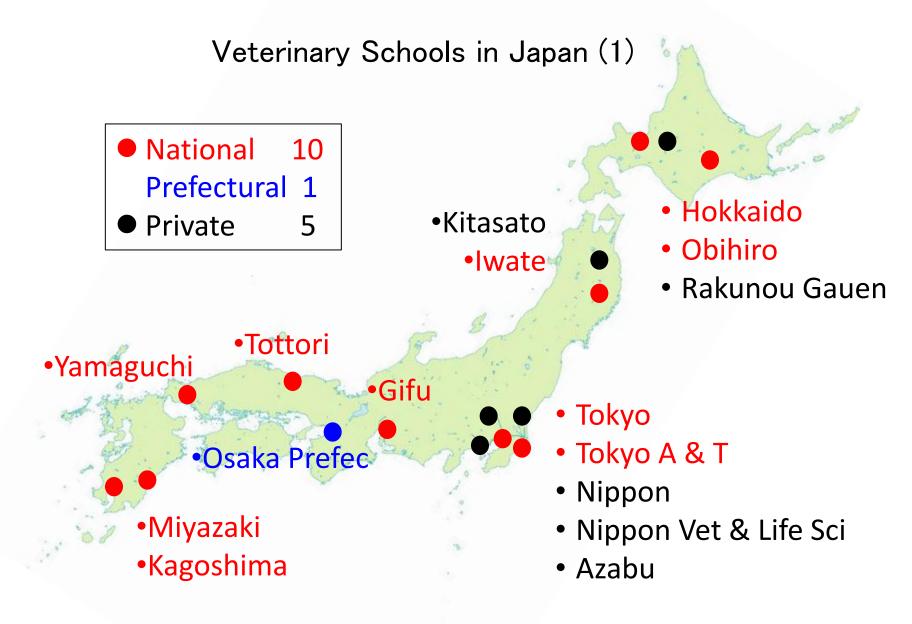
9:30 – 11:30 category A 9:30 – 11:30 category C

13:00 – 13:50 essential Q 13:00 – 15:00 category D

14:50 – 16:50 category B

Category A, B: theory test (general, particulars)
Category C, D: practical test (pictures, figures, tables)

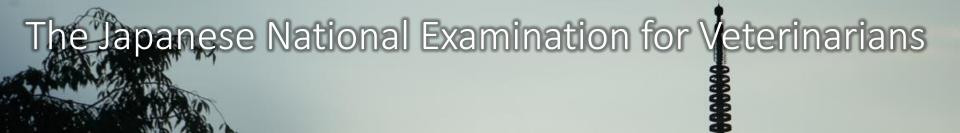




# Applicants, successful candidates and pass rate

	Applicants			Successful candidates			Pass rate (%)		
year	new	former	total	new	former	total	new	former	total
2012	1064	197	1266	968	91	1060	91	46.2	83.7
2013	1058	188	1250	956	64	1023	90.4	34	81.8
2014	1022	208	1237	922	84	1011	90.2	40.5	81.7
2015	1009	220	1241	856	77	938	84.8	35	75.6
2016	1009	282	1299	888	135	1024	88	47.9	78.8
2017	1028	256	1296	889	98	1000	87.5	38	77.2
Ave.	1032	225	1265	913	92	1009	88.7	40.3	79.8





Ryohei Nishimura, DVM, PhD
Graduate School of Agricultural and Life Sciences
The University of Tokyo

#### Veterinary Schools in Japan

University	Faculty and Department	# of Students
Hokkaido	Fac Vet Med	40
Obihiro	Dept Vet Med, Fac Agriculture	40
Iwate	Dept Vet Med, Fac Agriculture	30
Tokyo	Dept Vet Med Sci, Fac Agriculture	30
Tokyo Agriculture & Technology	Dept Vet Med, Fac Agriculture	35
Gifu	Dept Vet Med, Fac Appl Biol Sci	30
Tottiri	Dept Vet Med, Fac Agriculture	35
Yamaguchi	Dept Vet Med, Fac Agriculture	30
Mitazaki	Dept Vet Sci, Fac Agriculture	30
Kagoshima	Dept Vet Med, Fac Agriculture	30
Osaka Prefectuel	Dept Vet Sci, Fac Life & Environ Sci	40
Rakuno Gakuen	Dept Vet Med, School Vet Med	120
Kitasato	Fac Vet Med, School Vet Med	120
Nippon Veterinary & Life Sci.	School Vet Med, Fac Vet Sci	80
Azabu	Dept Vet Med, School Vet Med	120
Nippon	Dept Vet Med, College Biores Sci	120
Total		930

