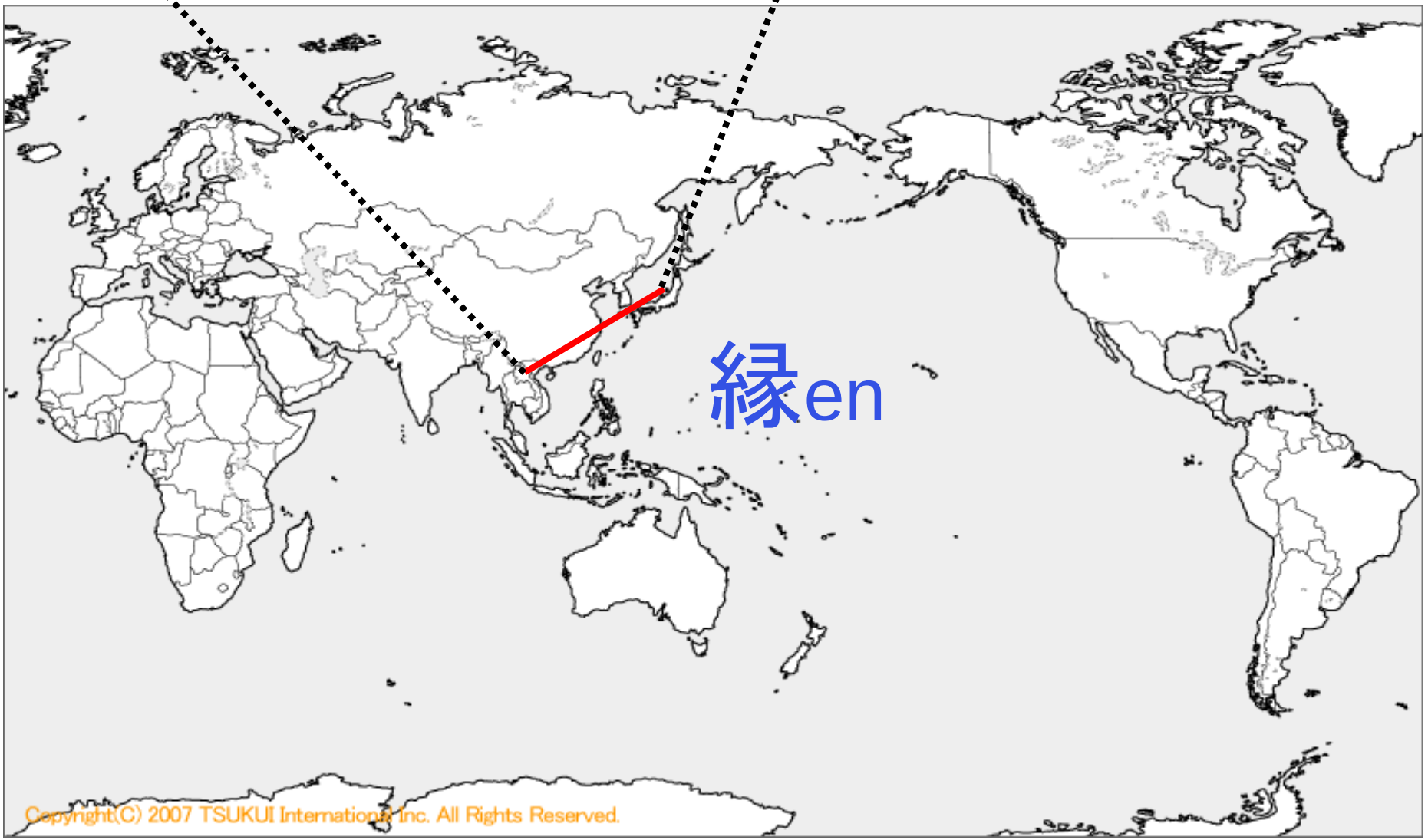
# *Hello from*


***Kanazawa Medical University***

***KMU***

Vietnam Military Medical University

Kanazawa Medical University



# KMU Newsletter

金沢医科大学報

No. 133
January 2008

雪中の寒紅梅





の整合性を構築した。特に医学系の修士・博士課程では通常6年間を要するが、カリキュラムを工夫することで両課程を5年間で修了することが可能となった。教育の実質化は授業科目を精査し、研究科の階層構造の位置を確認することにより、履修科目を整備・透明化した。学生は各種の講習会、セミナー、講義、学会を選択し、単位を修得している。

最後に、他大学との連合大学院構想である「子どものこころの発達研究科」について説明された。距離の隔れた大学間で、遠隔講義システム（e-learning）を用いて科目を履修させる。演習は短期間に限定して各大学を移動して行われるという、非常に工夫された教育研究事業である。

本学の大学院教育の実質化は急務の問題であり、今回の講演内容を参考として進めていきたい。今後とも各教員の積極的なご協力をよろしくお願いします。

（大学院医学研究科長 野島孝之記）

国際交流

## ベトナムの大学関係者来訪

平成19年10月24日（水）、ベトナム軍医科大学（Vietnam Military Medical University, Ha Tay）の教員を含むベトナム大学関係者11名（代表者Major General Nguyen Trong Thang, Ph.D., Chairman, Ministry Department of College Management, Hanoi）が本学を訪れ、山田学長に姉妹校協定の締結を申し出られた。現在、本学健康増進予防医学（旧公衆衛生学）、富山大学医薬学大学院システム情動科学（旧生理学）およびベトナム軍医科大学が共同で「ダイオキシンの脳神経毒性に関する研究」を行っているが、今後さらに大学間の協力関係を築き、研究者と学生の活発な交流を図りたいとのことであった。

近年、医学研究でもアジア諸国との共同研究が盛んに行われており、健康問題をアジア全体の問題として捉える流れが生まれてきている。本学学生の間からも、欧米だけでなくアジア諸国にも目を向けて、互いの文化を知り交流を深めたいという希望を時々耳にすることから、この姉妹校協定はよい機会になると思われる。

ベトナムは、ベトナム戦争でダイオキシンを含む枯葉剤の散布を受け、多くの奇形児の発生を見た国として知られている。戦後35年経った現在も、枯葉剤の残留があるとされており、ダイオキシンによる健康危機意識が高い国である。また近年の急速な経済発展に伴う環境変化から、ダイオキシンによる健康への影響も新しい視点の下で研究する必要が生じており、長年その分野に取り組んできた本学の寄与が期待されている。

本年3月には、ベトナム軍医科大学主催の国際学会において、交流の第一歩が始まる予定である。

（健康増進予防医学 西条旨子記）

山田学長と親書を交わすNguyen Trong Thangベトナム大学管理者議長

ハイテクリサーチセンター研究室（ダイオキシン研究）の見学

# Medical schools in Japan

80 schools

(approx. one for every 1.6 million people)

*including*

1 National Defense Med College of the Japan Defense Agency

29 private

# Kanazawa Medical University (KMU)

against the Japan Sea

Founded in 1972

Only private medical university on the Sea of Japan side

# Kanazawa Medical University


*philosophy:*

***Reverentia Vitae***

*Mission:*

*To educate doctors*

*with humanity,*

*advanced knowledge and skills,*

*greatest contributions to society*

# KMU's organization -1

**Chairman, Shizuo Odashima**

Executive board — University

- School of Medicine
- Graduate School
- School of Nursing
- Hospital
- Institute

# KMU's organization -2

- Office of the Executive Board
- Office of the University President
- Office of International Affairs
- Office of Public Information
- Admission Center
- Medical Education Center
- Students Support Center
- Library

# Medical education system in Japan

high schools

| | | |
|---|---|---|
| | Y1 | mainly general education |
| **m** | 2 | basic sciences: system-based |
| **e** | 3 | clinical medicine: system-based |
| **d** | 4 | clinical medicine: system-based |
| | *Common Achievement Test including CBT and OSCE* | |
| | 5 | clinical training |
| | 6 | |

*National Exam for Medical Practitioners* (MD)

**postgraduate clinical training for 2 years**

**4-year graduate programs** (PhD)

# KMU School of Medicine

Departments

general education: 8

basic science: 17

clinical medicine: 34

Faculty (2007)

full time: 425

part time: 187

Students (2007)

undergraduate: 659(med)

64(nurse)

graduate:88

# KMU's undergraduate curriculum
# - what we emphasize -

1 lectures, small grps, on-site learning, many electives

2 system-based, PBL, on-site learning

3 system-based, PBL, on-site learning

4 system-based, PBL

5 clinical training in KMU Hospital (electric med charts)

6 clinical training in extramural clinics/hospitals,

knowledge roundup

# Features in KMU education

## Programs to foster problem-solving abilities

through discussion  in small groups guided by tutors

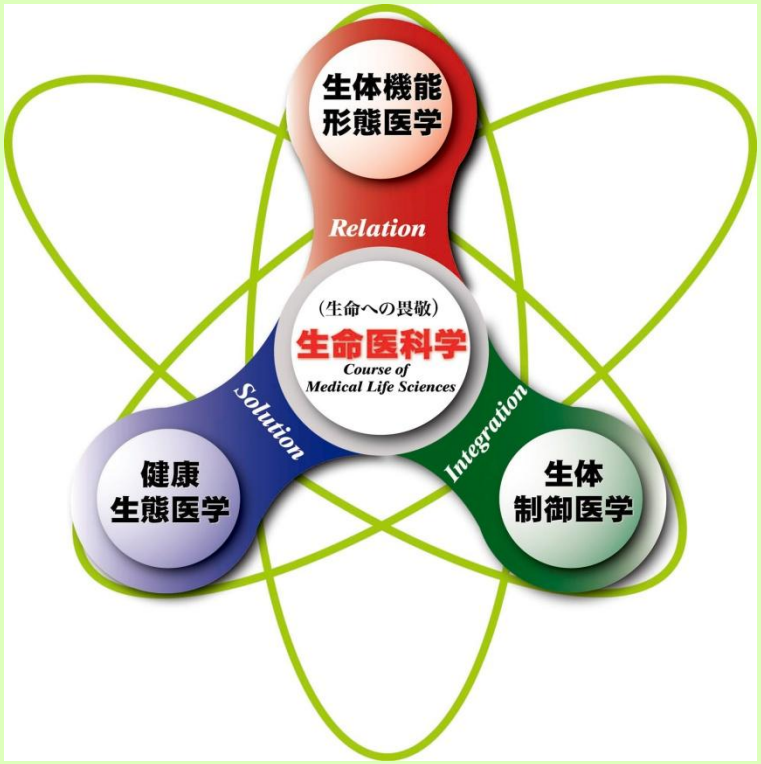


paper-based clinical scenario ▸ identification of unfamiliar terms ▸ selection of problems to be discussed ▸ discussion ▸ tentative solutions ▸ scenario ▸ ……. ……. ▸ formulation of issues to be studied (▸ private study )

▸ peer lecturing ▸ scenario ▸ …….. ▸ diagnosis, management, etc.

# KMU Graduate School -1

established in 1982,  reorganized in 2003




3 specialized fields
in the course of
medical life sciences

- Biodynamic (14 subjects)
- Biocontrol (12 subjects)
- Health ecology (13 subjects)

# Examples of research papers recently published: researches for PhD degrees

Journal of Epidemiology Volume 17, Number 3 May 2007

Dietary Intake of Fatty Acids and Serum C-reactive Protein in Japanese

Satoko Yoneyama, Katsuyuki Miura, Satoshi Sasaki, Atsushi Yoshita, Yuko Morikawa, Masao Ishizaki, Teruhiko Kido, Ichi Naruse, and Hideaki Nakagawa.

SHOCK, Vol. 00, No. 00, pp. 00–00, 2007

VENOUS RESISTANCE INCREASES DURING RAT ANAPHYLACTIC SHOCK

Sen Cui, Toshishige Shibamoto, Wei Zhang, Hiromichi Takano, and Yasutaka Kurata

Department of Physiology II, Kanazawa Medical University, Uchinada Ishikawa, Japan

1426

Expression of ADAMTS-4 (aggrecanase-1) and Possible Involvement in Regression of Lumbar Disc Herniation

Eiju Hatano, MD,* Takuya Fujita, MD, PhD,† Yoshimichi Ueda, MD, PhD,* Tetsuhito Okuda, MD, PhD,† Shogo Katsuda, MD, PhD,* Yasunori Okada, MD, PhD,‡ and Tadami Matsumoto, MD, PhD‡

Acta Physiol 2007, 189, 15–22

Hepatic pre-sinusoidal vessels contract in anaphylactic hypotension in rabbits

N. Karasawa,[1,2] T. Shibamoto,[1] S. Cui,[1] H. Takano,[1] Y. Kurata[1] and H. Tsuchida[2]

[1] Department of Physiology and [2] Department of Anaesthesiology, Kanazawa Medical University, Uchinada, Japan

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# KMU Hospital -1

opened in 1974, new wing opened in 2003

938 beds
29 clinical dep’ts
15 specialized centers

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407 doctors
608 nurses
207 co-meds

# KMU Hospital -2

inpatients:
750/day
outpatients:
1,200/day

# KMU Hospital -3

*The 21st Century Multidisciplinary Medical Center*
established in 2005

- Cancer Treatment Center
- Lifestyle Disease Center
- Rehabilitation Center
- Health Management Center
- Genetic Medicine Center

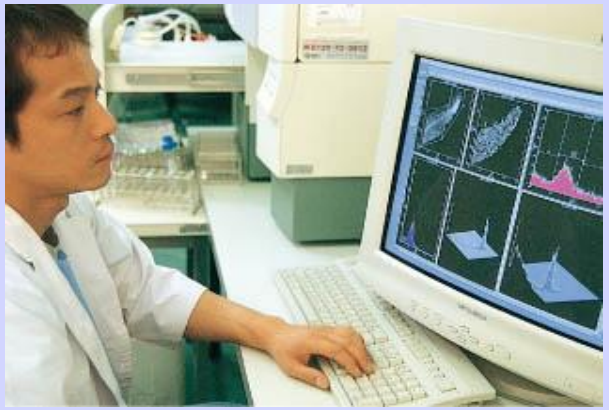
# Clinical training in KMU Hospital

1st year: Internal medicine for 6 mos
Surgery for 3 mos
EM or anesthesiology for 3 mos

2nd year: Pediatrics & OB/GYN for 3 mos
Psychiatry & community medicine for 3 mos
Exramural clinical training for 6 mos

# KMU Medical Research Institute

established in 1989



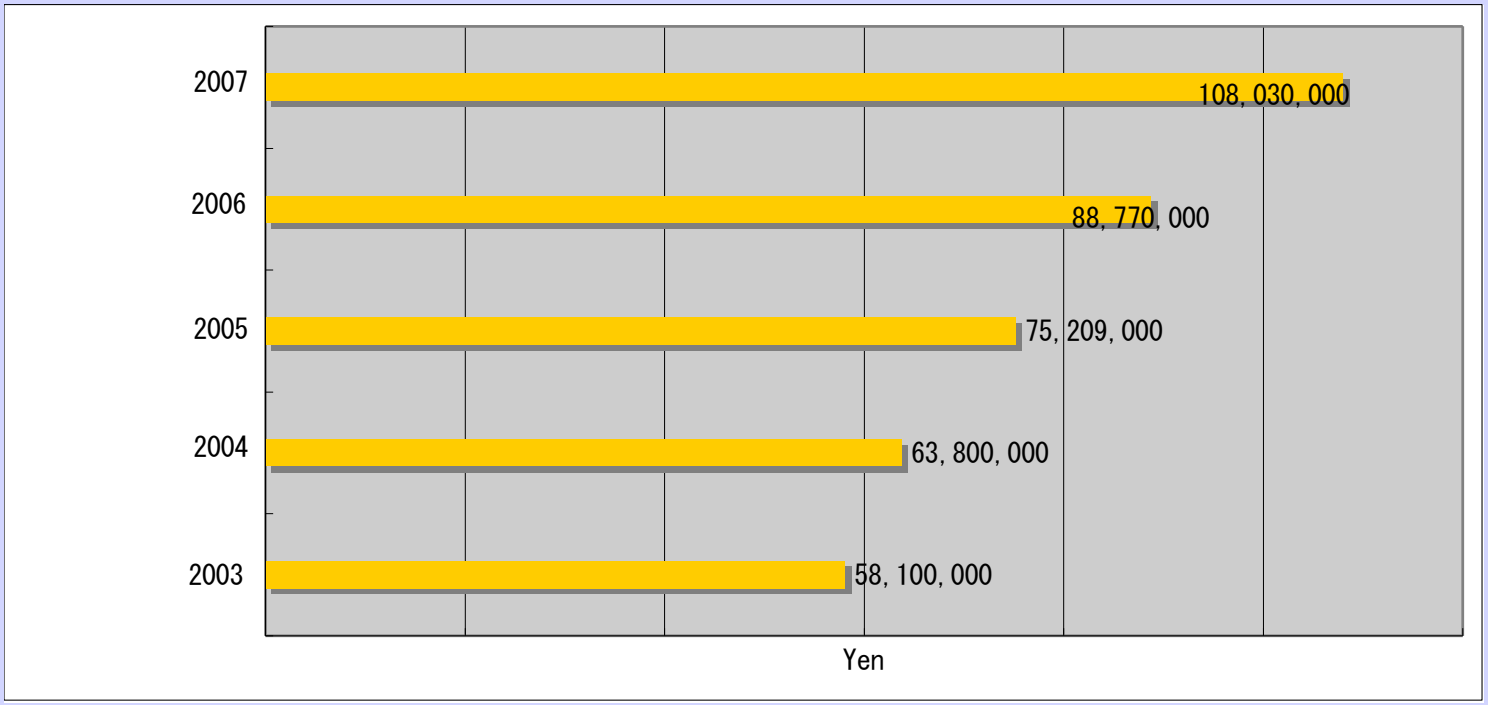
7 divisions:

- Cell medicine
- Advanced medicine
- Human genetics
- Molecular oncology & virology
- Core facility
  - Radioisotope Center
  - Experimental animal Center
  - Morphological Equipment Center
  - High-Tech Research Center
- Dermatomycology
- Vision research for environmental health

# KMU's research activities -1

✓Grants in 2007: a total of 603,500,000 Yen

✓Grants from MEXT (Ministry of Education, Culture, Sports, Science and Technology)



# KMU's research activities -2

Publications of original articles

| year | number of articles | (published in international journals) |
|---|---|---|
| 2006 | 203 | (135) |
| 2005 | 219 | (134) |
| 2004 | 237 | (163) |
| 2003 | 215 | (141) |
| 2002 | 214 | (144) |

# KMU School of Nursing

| | |
|---|---|
| 1973 | 3-year Nursing College |
| 2007 | 4-year School of Nursing |
| 2009 | 3-year Nursing College will be closed |

# *Kanazawa Medical University*

Our perpetual CHALLENGE

CHALLENGE

CHALLENGE

CHALLENGE

CHALLENGE

# Kanazawa - A Beautiful City

## *full of culture and tradition*

Kenroku Park: one of the three most beautiful gardens in Japan

“Yukitsuri” during winter months (photo by Nakatani)

Kanazawa Castle in autumn (photo by Nakatani)

***Thank you for your attention***