



HANOI MEDICAL UNIVERSITY

**OVERVIEW OF GRADUATE TRAINING
AND ORIENTED DEVELOPMENT**

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Outline

- Introduction to Graduate training of Medicine in Vietnam
- Introduction to the Hanoi Medical University (HMU)
- Introduction to Graduate training at HMU



CAREER OVERVIEW

- Name: DOAN Quoc Hung, MD, PhD DOB: 20/04/1968 Ha Noi, VN
- Email: hung.doanquoc@hmu.edu.vn, hung.doanquoc@gmail.com
- **Profession:** Surgeon, Senior lecturer, Ass/Professor in Surgery
- Speciality: Cardio Vascular and Thoracic Surgery
- Actual Institution: Director of Graduate Training Department- HMU (from 2011- today)
Deputy of Department of CardioVascular and Thoracic Surgery, Viet Duc University Hospital
- **Formations**
- **1986-1991:** Undergraduate Study, Hanoi Medical University.
- **1992-1995:** Graduate study in surgery, HMU, Viet Duc University hospital.
- **1995: Master Thesis:** "*Result of closed commissurotomy- thrombus in the left atrial appendage through the left thoracotomy*"
- **2006: PhD Thesis :** "*Clinical and paraclinical Reseach and Longterme Result of surgical treatment in patients with lower limbs chronic atherosclerose ischemia*"
- **Publications**
210 papers and 16 books on Adult cardiac surgery, Pediatric cardiac surgery, Vascular-Thoracic surgery, Management in Education and Training.

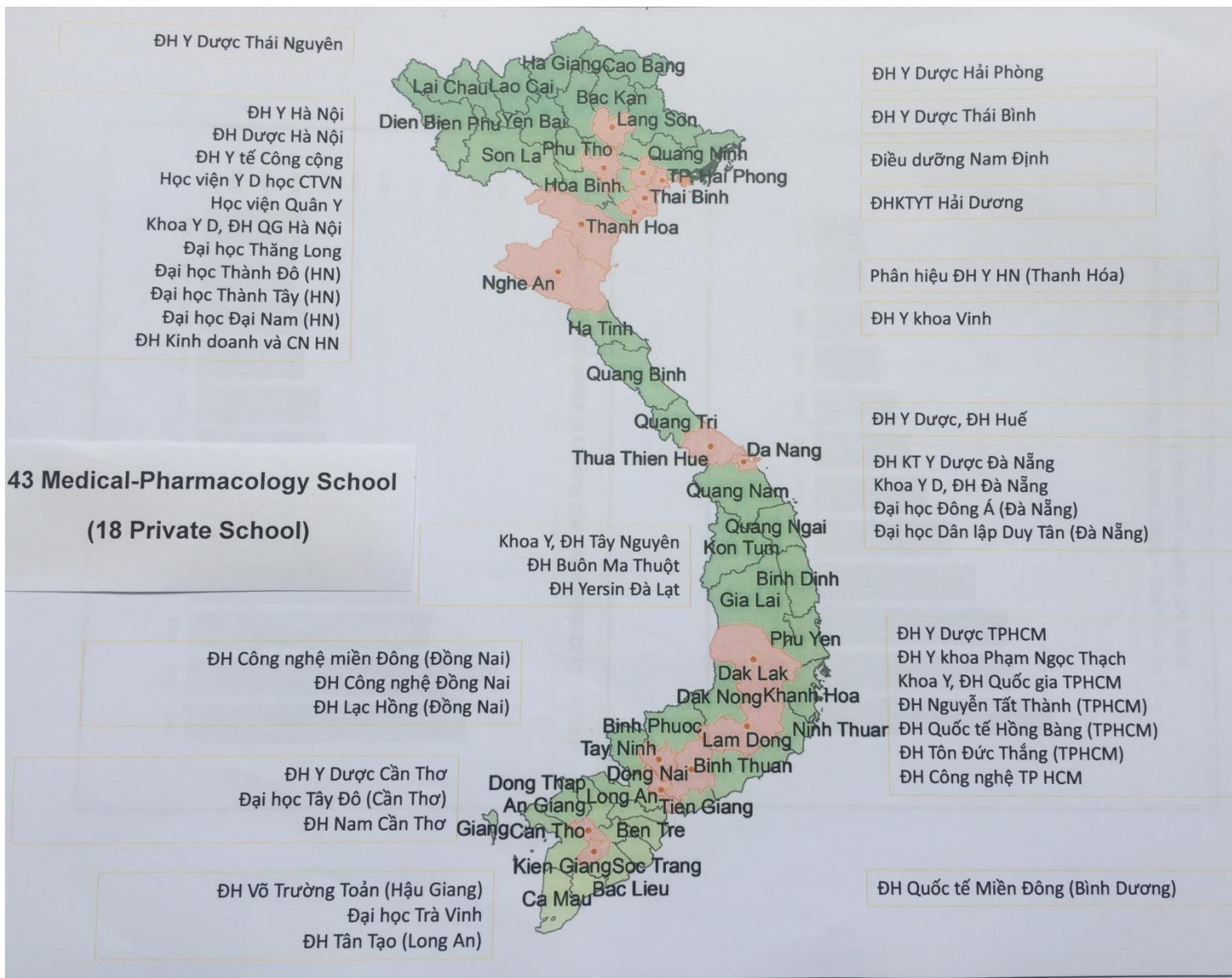


Medical Graduate training in Vietnam

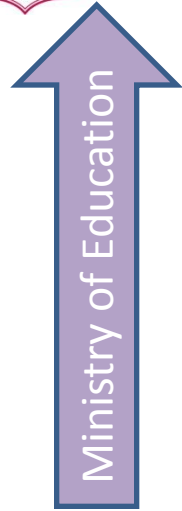




Distribution of Univ Medicine-Pharmacy VN

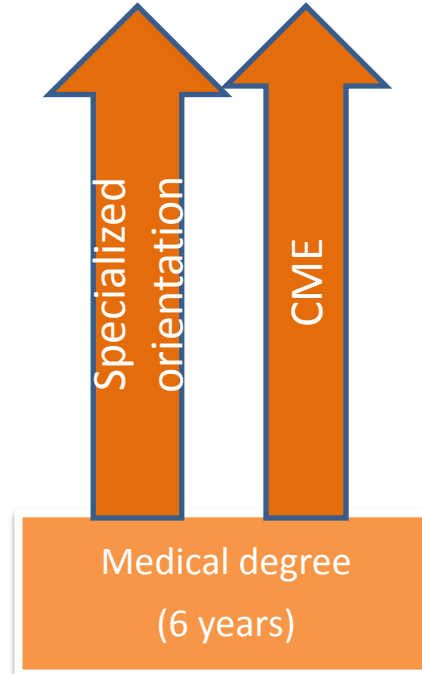


Model of State Management



Philosophy of Doctor
(3-4 years)

Master
(1-2 years)



2st degree of specialization
(2 years)

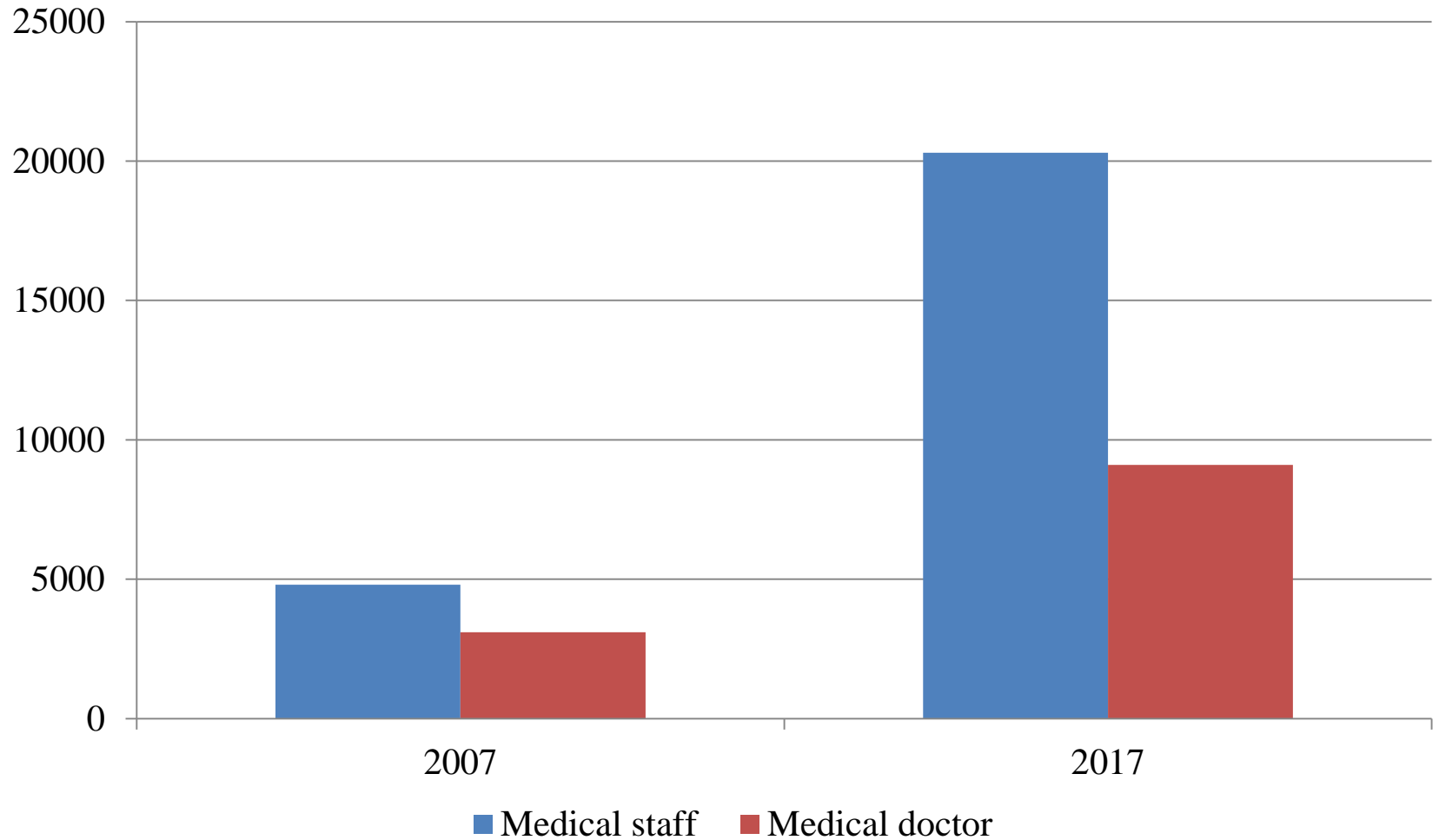
Residency (3 years)
1st degree of specialization
(2 years)



- 1. MOET:** management academic training, provide **norms (quota)** for **undergraduate** training and **academic** graduate training (**master, PhD**), management regulations, accreditation and control after graduation.
- 2. MOH:** management practice training, provide **norms (quota)** for **practical** graduate training (**residency, 1st, 2nd degree of specialization**), management practice regulations and issued certificate of practice



Medical staff and Medical doctor after 10 years-VN quantity ↑ uncontrollable, quality ?



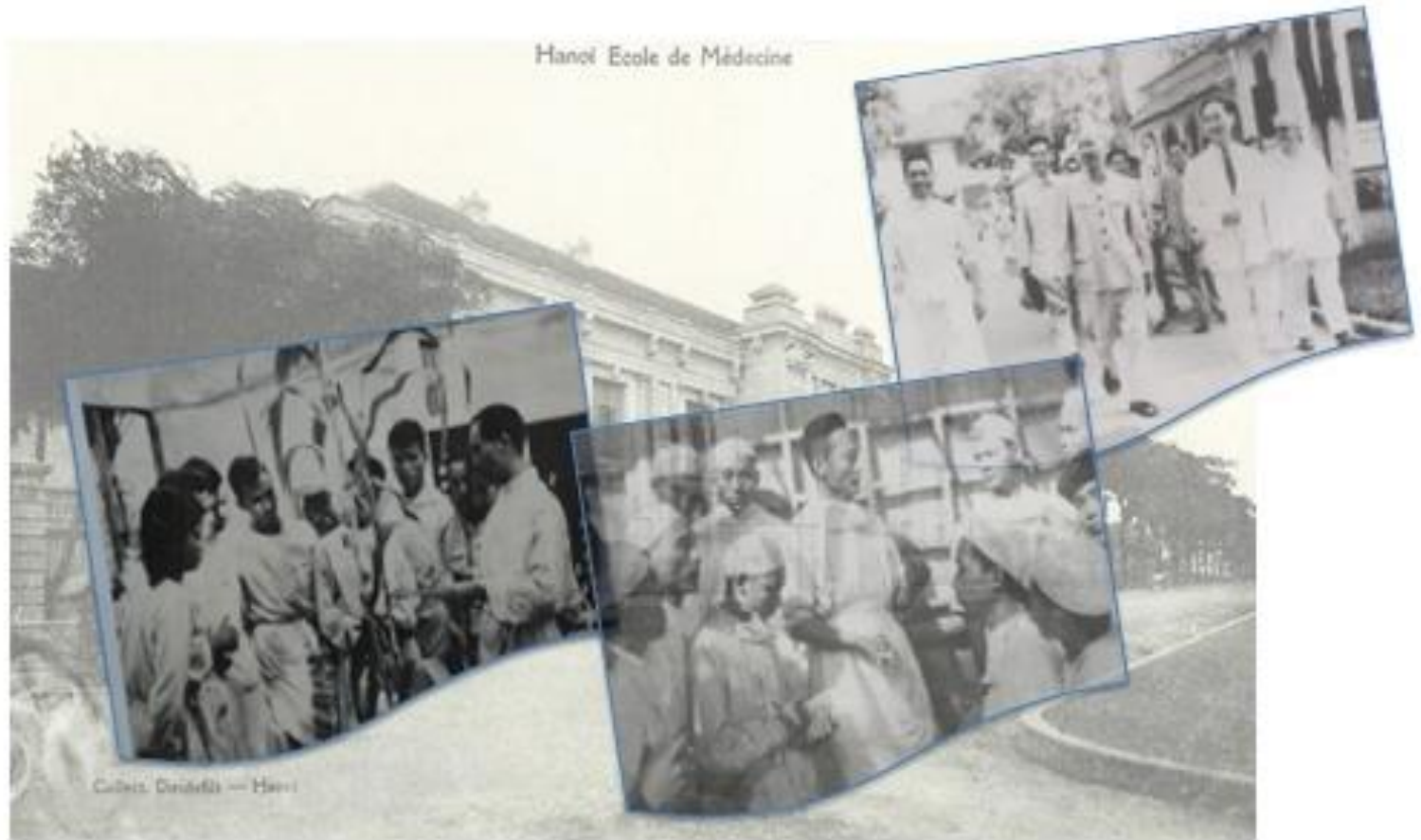
Student's number of Univ Med-Pharm VN



	Medical docteur	Phamacology	Nursing
Hanoi Medical University	500	0	540
HN college of Phamacy	0	750	0
Hue Medecine University	725	180	245
HCM city UMP	400	560	290
Can tho Univ Med-Phar	640	140	80
Vo Truong Toan U	575	635	0



Introduction to the Hanoi Medical University



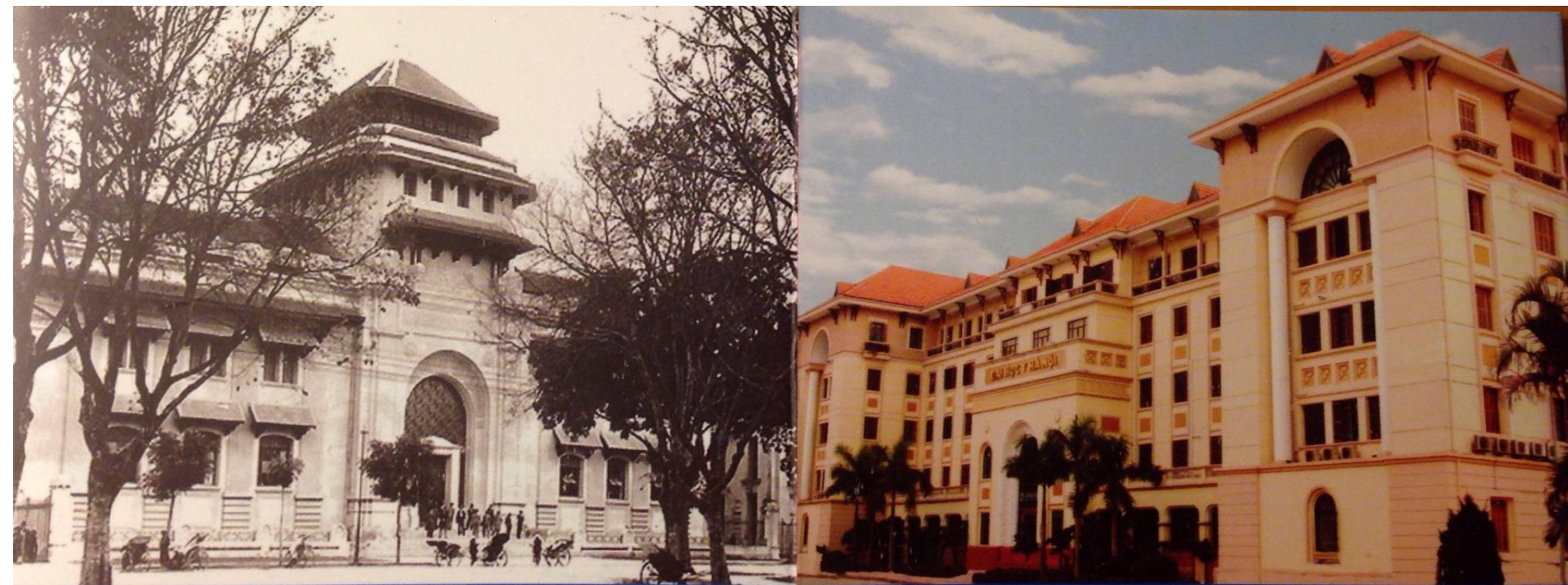


HMU: Founded in 1902



1st Dean: Dr Alexandre Yersin

15/11/2018: Ceremony of 116 years old



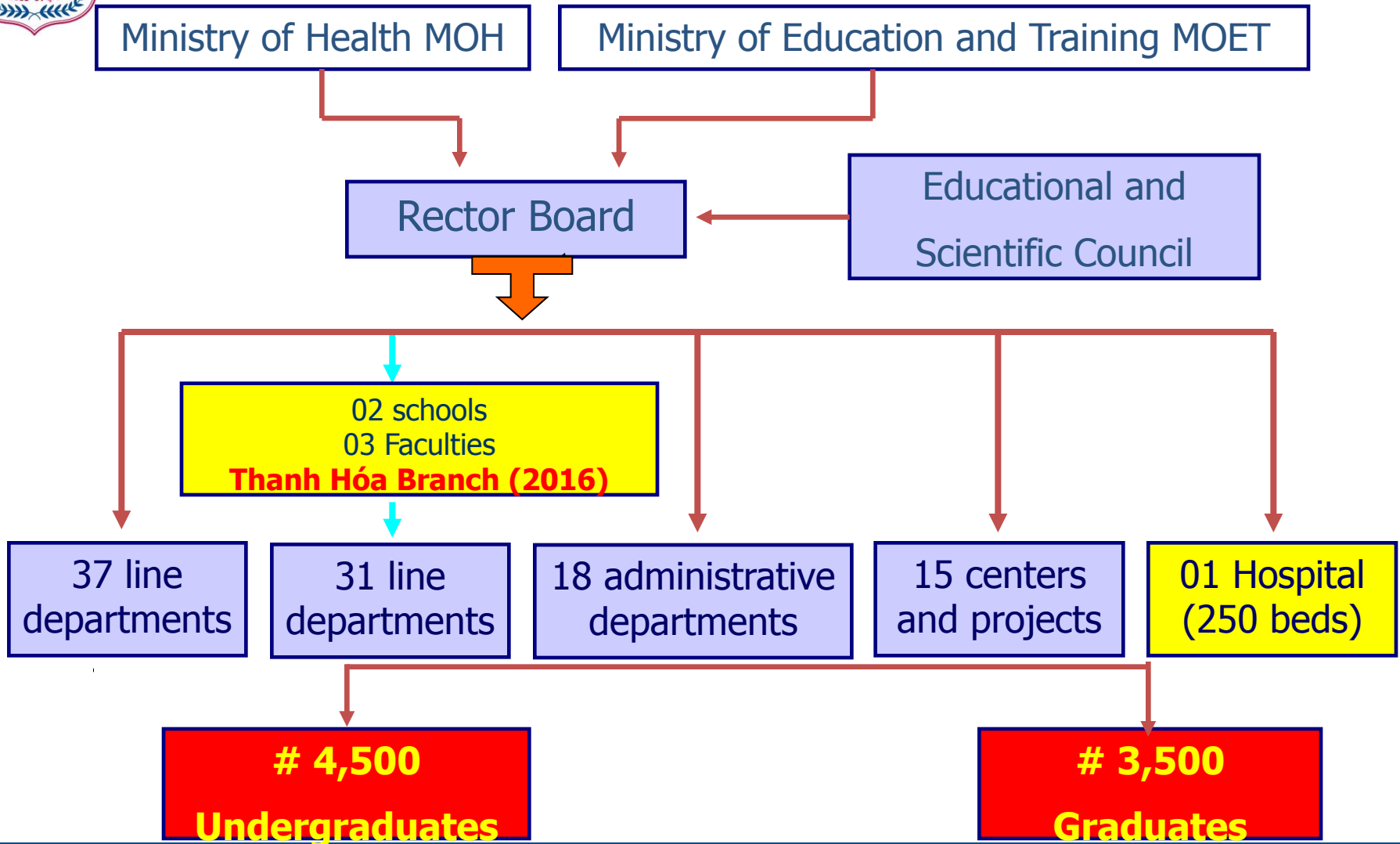


HMU 2018



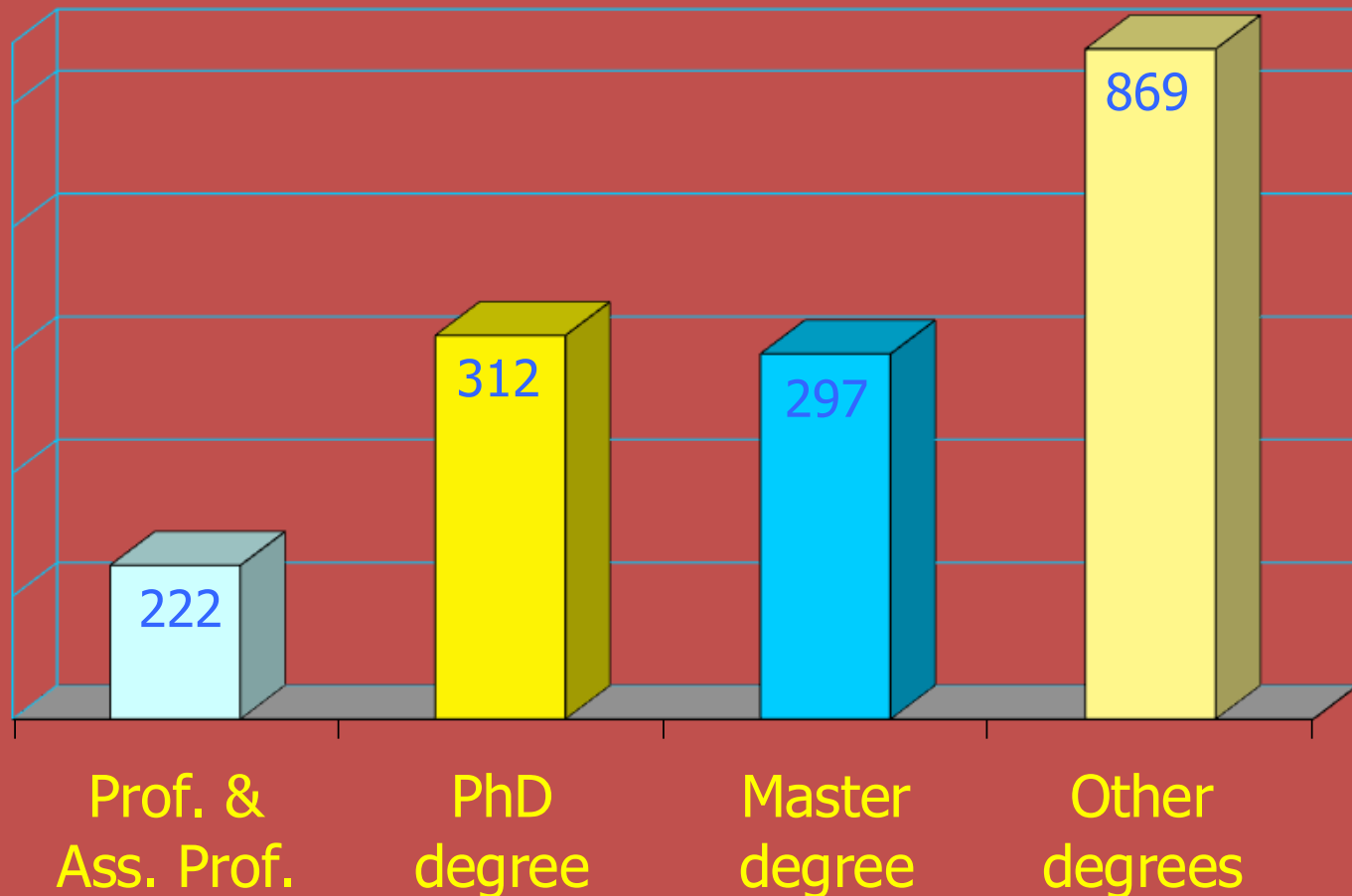


The Organizational Chart of HMU



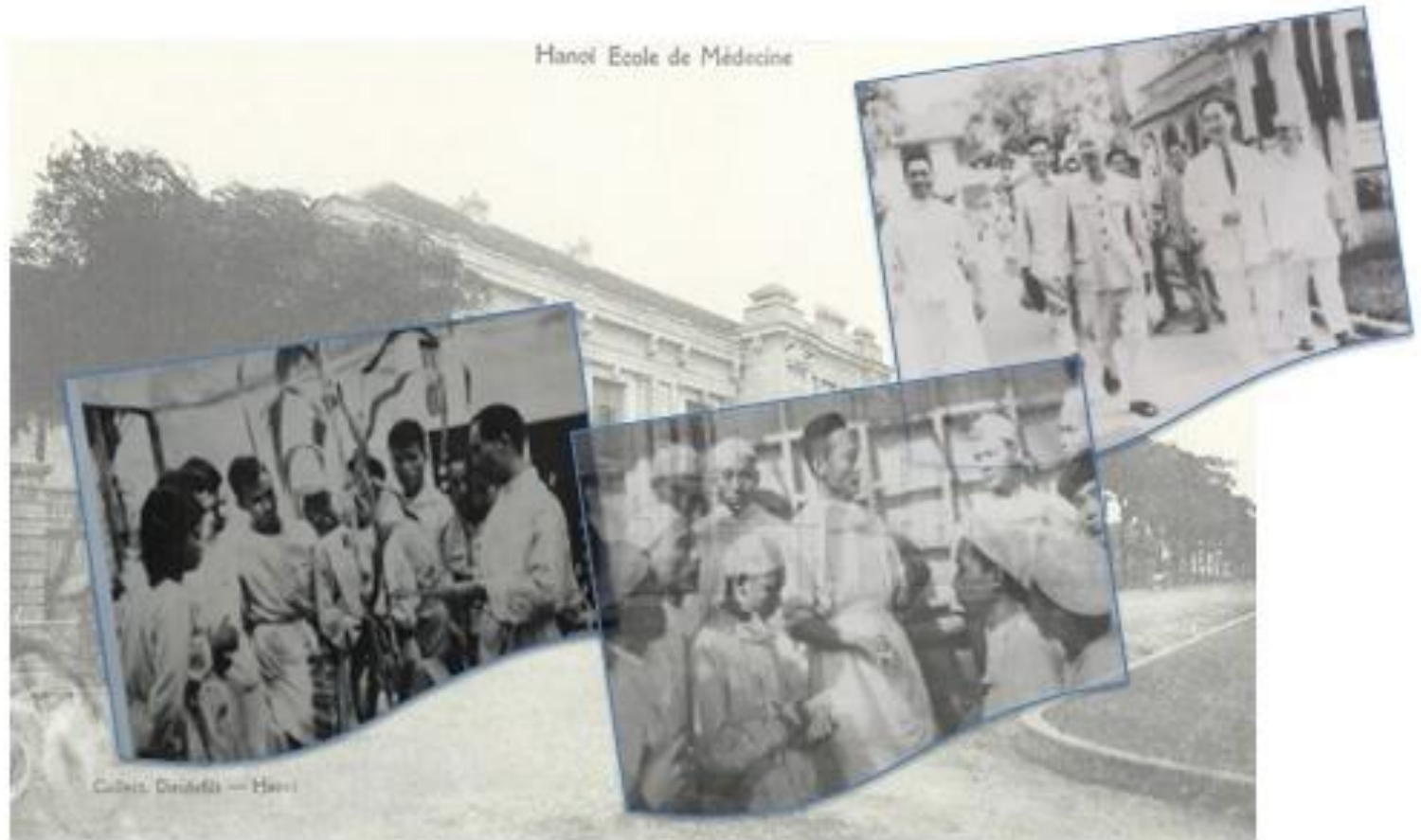
Staff Numbers & Academic member

8-2018: 1700 staff, 819 lecturers (+546 affilliated teachers)





Aspects of graduate training

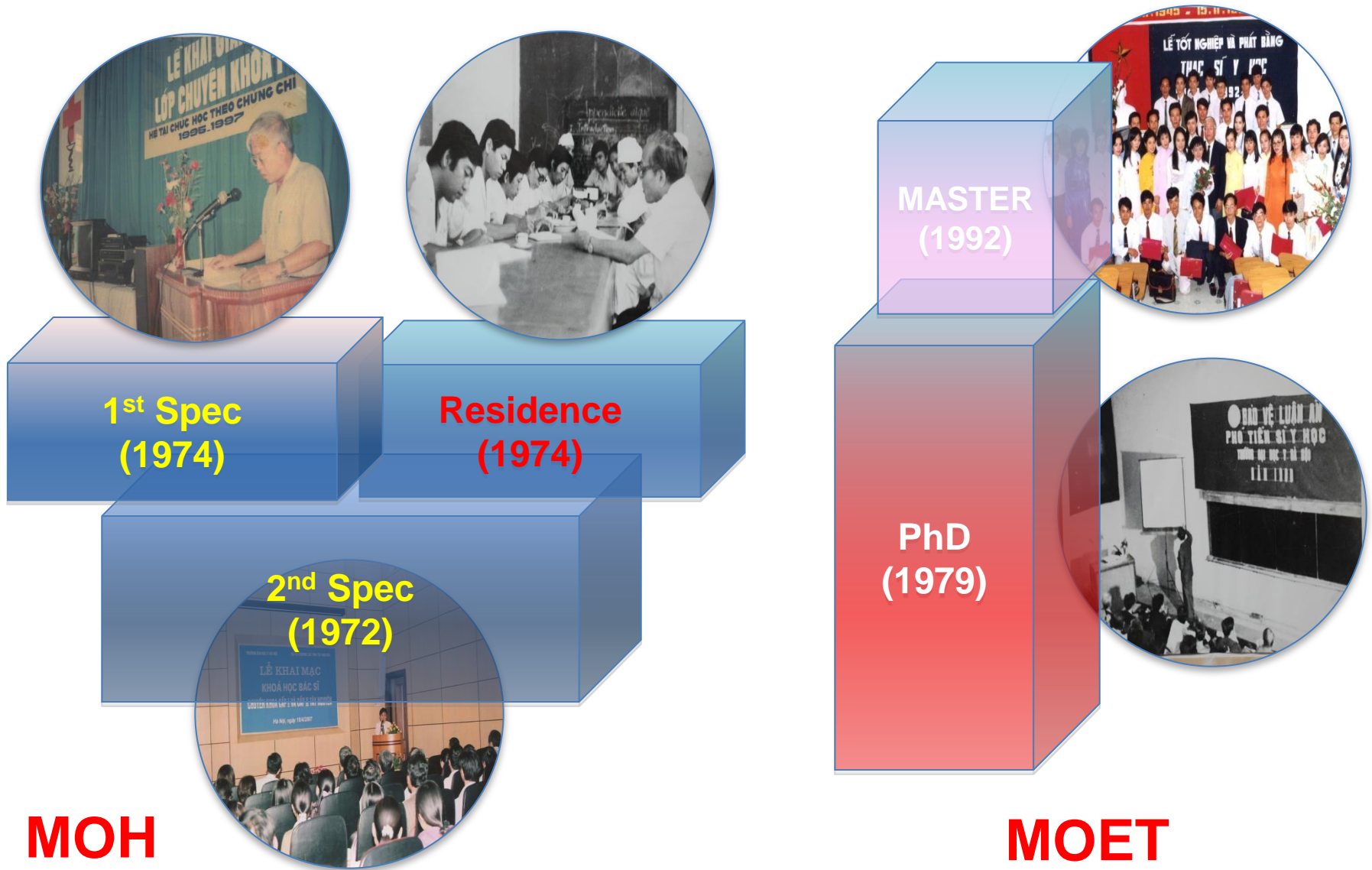




Brief history of graduate training at HMU (1)

- HMU had program graduate training earliest in VN.
- 2nd degree of specialization: 1972. It laid the foundation for the expansion of other graduate program.
- Next: Resident physician and 1st degree of specialization in 1974, PhD student in 1979 and Master in 1992
- Training on demand: 1982 (1st degree of specialization, 2008 (2nd degree of specialization). Now: all provinces in VN

Brief history of graduate training at HMU (2)



MOH

MOET

Department of graduate training at HMU

Staffs: 13

1 Professor; 2 Ass professor, 01 Doctor, 01 2nd Specialist, 8 Master (02 are PhD students).

1981

QĐ 292-BYT/QĐ (31/3) Faculty of postgraduate training

1972-1981

Center of Research and graduate of training

1994

QĐ 952/YHN-QĐ (29/3) Administrative departments of graduate training

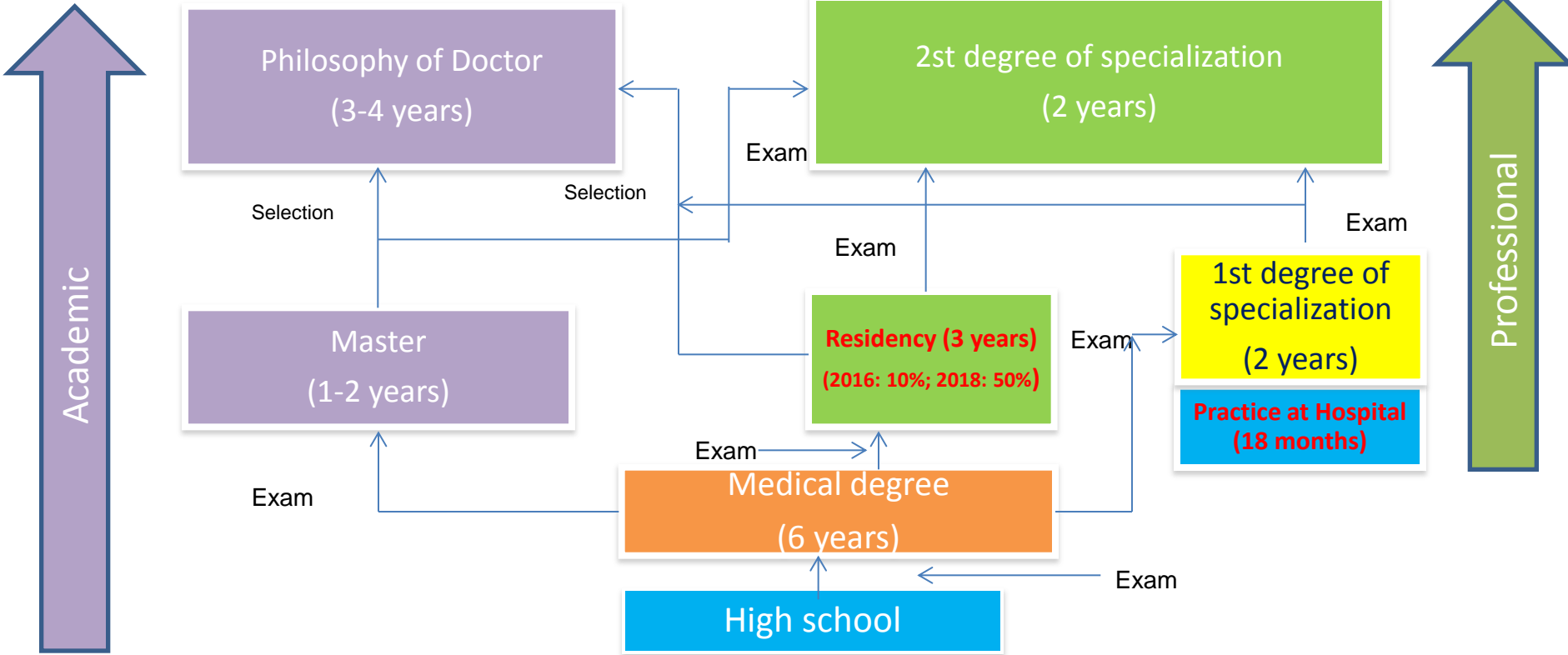
2004

Department of graduate training





Actual Model of graduate training at HMC (>45 years): quite different





Actual Model of graduate training at HMU (>45 years): characteristics

1. Training interrupted intermittently
2. Mixed between practice training (Resident, Specialist I-II) and academic training (PhD, masters)
3. Quota: decided by MOH and MOET
4. Outcomes and Competency Standards: - ; national exam for licensing -
5. Curriculum: ancient and unsuitable

GRADUATE SPECIALIZED TRAINING at HMU (38)

TT	SPECIALIZED	TT	SPECIALIZED
1	Radiology	19	Histology and Embryology
2	Dermatology	20	Surgery (Thoracic Surgery; Gastro-intestinal Surgery; Urology; Neuro Surgery; Burn Surgery; Orthopaedics and Plastic Reconstructive Surgery
3	Epidemiology	21	Ophthalmology
4	Nutrition	22	Histology and Embryology
5	Allergy and Immunology	23	Pediatrics
6	Pharmacology and Toxicology	24	Internal Medicine (Cardiology; Rheumatology; Gastroenterology; Pneumology; Endocrinology; Nephrology)
7	Anesthesia and Reanimation	25	Plastic Reconstructive Surgery
8	Human Anatomy	26	Odonto-stomatology
9	Pathology	27	Obstetrics and Gynecology
10	Medical Biochemistry	28	Pathophysiology
11	Emergency and Clinical Toxicology	29	Physiology
12	Blood Transfusion and Hematology	30	Otorhinolaryngology
13	Medical Parasitology	31	Psychiatry
14	Tuberculosis	32	Neurology
15	Immunity	33	Infectious and Tropical diseases
16	Medical Microbiology	34	Oncology
17	Traditional medicine	35	Family medicine
18	Preventive Medicine	36	Forensic Medicine
		37	Biomedical and Genetic
		38	Public Health

Achievement of graduate training at HMU

The number of students trained and being trained (2018)

Subjects	Total	Being trained
PhD	1945	673
Master	5716	883
Resident physician	2172	522
1st DS	13369	1334
2st DS	3214	283
Total	26.416	3695

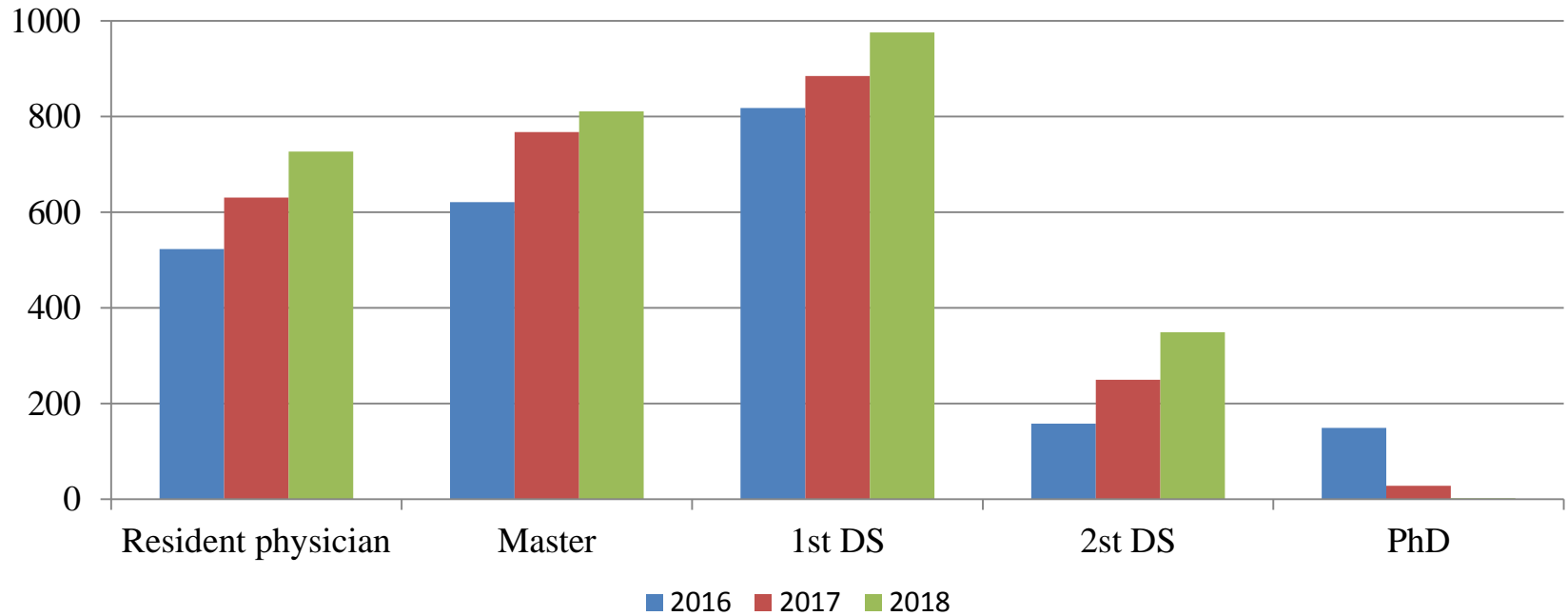


Prof. Đặng Văn Chung



Prof. Nguyễn Lân Việt

Trend Graduate training during 3 last years at HMU





Other forms of training at HMU

- Master of public health-International program
- Training on demand: Hanoi Health Department, Hospitals
- Joint training programs (Traditional Medicine Institute
Army, South Central ...)
- International Training under Treaty: Laos, Cambodia,
Mongolia

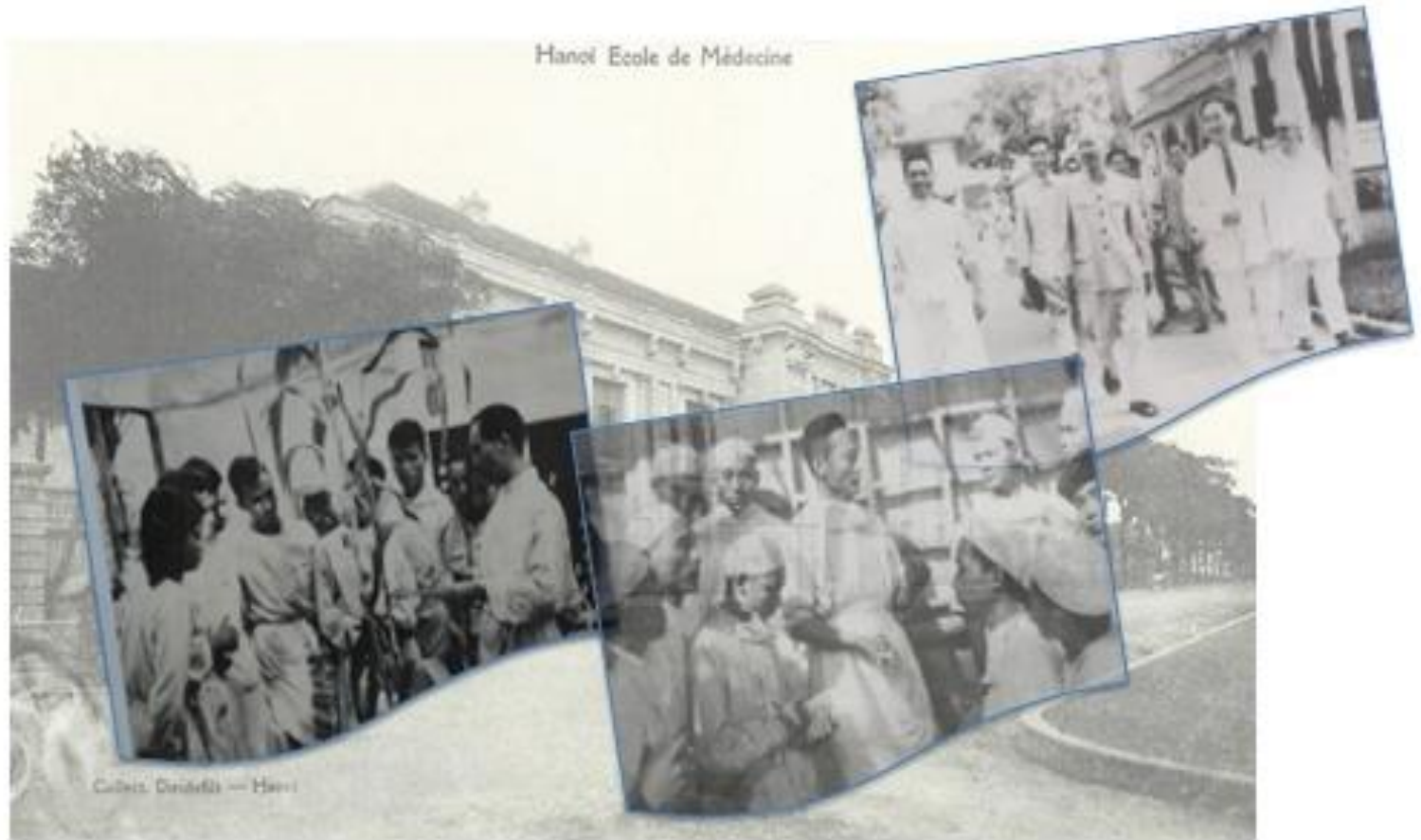


International cooperation at HMU

- Trained Treaty for students of Laos, Cambodia, Mongolia, Ukraine
- Master or PhD training: in Public Health with Netherlands
Denmark, Sweden, Australia (Ophthalmology)
- Memorandum of cooperation and exchange students
with: Japan, France, Italy, Germany, Brazil, Netherlands.
Ireland, UK...



Oriented development graduate training





Why we have to change (1)?

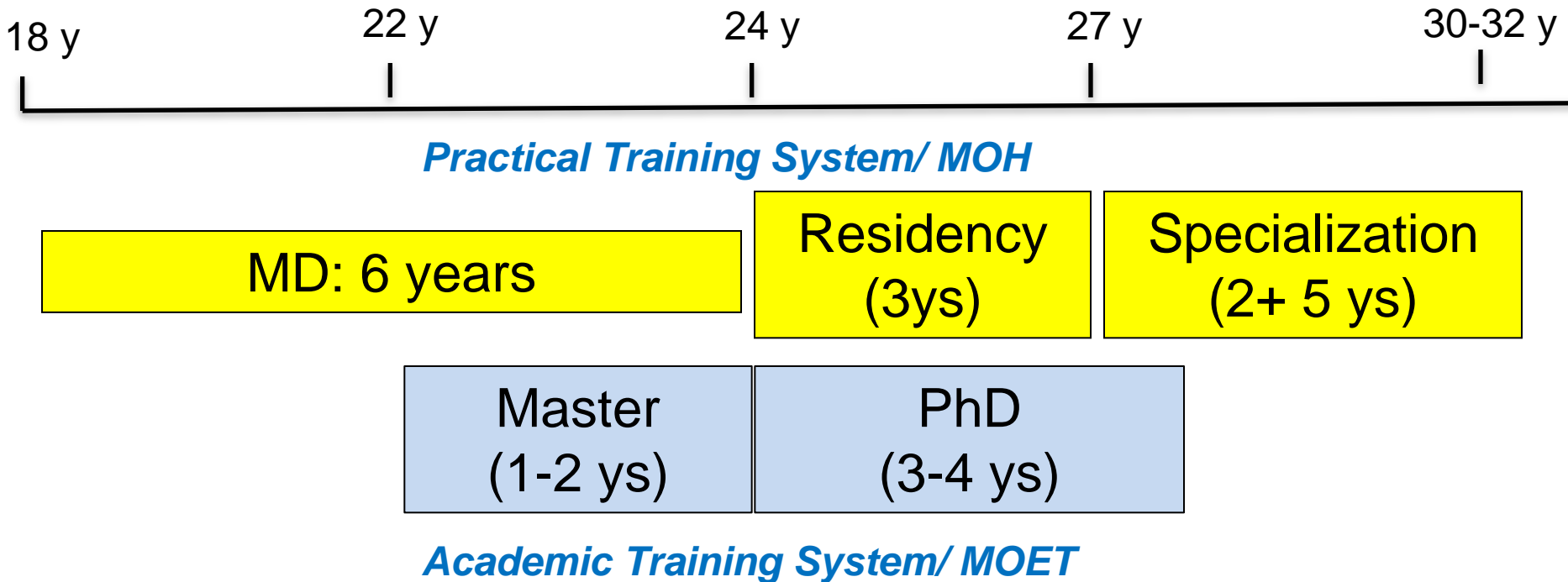
- Quite difference in comparison with other systems in medical education in the world.
- Too old and inadequate model of graduate training (temporary applied solutions in war's period, from 1945)
- Interrupted formation.
- Out comes: \approx 10% competent doctors, working at several national hospitals \rightarrow **1st important raison** of hospital's overload because of lacking of good doctors at provincial hospital.



Why we have to change (2)?

- No outcome/competency standard outcome for graduate training
- Practical certificate: issue once and valid everlasting, not tested
- Training many types of students: General Doctor, Traditional doctors, Odonto-Stomatology (#Dentistry) and preventive medicine doctor (Belong Institute of preventive medicine and public health)
- Unreasonable salary: Doctor (6 years) starting salary about 110 USD/month; equal the bachelor's salary (4 years) and less than military's salary (5 years) about 250 USD/month
- Requirement to intergrate regionnally and internationally

Oriented development: Training model in the future in VN



1. Training model

- Separation between practice training (Resident, Specialist I-II) and academic training (PhD, masters)
- Model (expected): 6 ys + 3ys + 2-5 ys of specialist training.
- 100% have to pass residency pathway if they want to practice.
- **ROLES:** **Gouvernement, MOH, MOET**, Ministry of Home affair, Ministry of Finance...

Oriented development of graduate training

2. Improve management of graduate training

- Enhanced International cooperation: +++
- Completing the process management of graduate training
- Reform of all training's curriculums;
- Expand practical facilities: **important** +++, public and **private hospital**...(affiliate hospital)
- Continue to improve the recruitment, training and graduation;
- Improvement teaching by staff (Young staff, Resident physicians).
- Development HMU becomes a Health Science University
- Graduate School: approved by Rector Board in 12/2016









Thanks for your attention!