MESSAGE FROM THE DEAN

ASNM, as a young school and educational institute of the Asian Regional Cooperative Council for Nuclear Medicine (ARCCNM), has a history of only ten years. The mission of ASNM is to structure continuing education and lifelong learning system for training professionals in Asia. As new Dean of ASNM, I would like to work together with all colleagues in the following key issues in the near future.

1. Promoting training of Nuclear Medicine physicians, technologists, radiopharmacists, medical physicists and other professionals; through cooperation with government agencies, universities, national societies and companies partners.

2. Paying close attention to the inhomogeneity of NM development in Asia, ASNM will try to standardize NM education and training throughout ARCCNM Member States, assist in national and regional training courses, award continuing education points, and provide experts with advanced educational programs.

3. Strengthening training programs by developing curriculum of appropriate content that integrates the radiological sciences into molecular imaging.

4. Setting up and updating regularly online learning courses which provide learning opportunities with flexibility, accessibility and cost efficiency.

5. Formulating guidelines of Asian Nuclear Medicine for routine working instruction and training materials.

6. Working towards awarding diplomas, degrees and continuing education units in association with recognized universities and hospitals. Developing its extensive link with international community and actively facilitate the cooperation and exchanges with the major international organizations, such as IAEA, WFNMB, AOFNMB, ESNM, SNMMI etc.

As the Dean of ASNM, I am looking forward all of us to showing what we are doing to disseminate knowledge on nuclear medicine and molecular imaging. I sincerely hope that all colleagues and relevant organizations will enthusiastically participate and actively provide a high level of lectures and courses. I would like all of you to contribute to the dissemination of awareness of our specialty amongst all our colleagues. May we achieve our dream!

Gang HUANG
Dean
Asian School of Nuclear Medicine
Asian School of Nuclear Medicine
Shanghai Campus

TRAINING CENTER

- Zhongshan Hospital Fudan University
- Huashan Hospital Fudan University
- Ruijin Hospital Shanghai Jiao Tong University School of Medicine
- Renji Hospital Shanghai Jiao Tong University School Of Medicine
- Xin Hua Hospital Shanghai Jiao Tong University School of Medicine
- Shanghai General Hospital Shanghai Jiao Tong University
- Shanghai Sixth People’s Hospital Shanghai Jiao Tong University
- Shanghai Tenth People’s Hospital Tongji University
- Shanghai Changzhai Hospital

CAMPUS INFORMATION

- Shanghai Campus is led by professor Gang HUANG who is also the dean of ASNM.
- Shanghai Campus comprises of nine training locations which are all first class hospitals in Shanghai.
- All instructors of Shanghai Campus are the professors or experts from above hospitals.
- The office of Shanghai Campus is located at 3/F, 12Building, No.470, Guiping Road, Shanghai, China.

TRAINING PROGRAMME

- Training period:
  - 1-3 months
- Number of trainees:
  - There are a total of 9 Training Centres with up to 2 trainees each
- Admissions Requirements:
  - Below 45 years old
  - Doctors and technologists are both acceptable
  - Degree from medical school for NM Physicians. undergraduate degree for NM technologists.
  - Good command of written and spoken English with fluent communications
  - More than 2 years of relevant work experience in nuclear medicine
  - Recommended by local NM society
- Content of Training:
  - Research
  - Case Studies
  - Clinical Research
- Form of Training:
  - Private lessons
  - Weekly classes once or twice per week
  - Examinations
  - Peer Reviews/Evaluations between the Training Centre and student
  - Certification
- The nine Training Centres can provide both the following:
  - Accommodation
  - Canteen meals
**INTRODUCTION OF THE HOSPITAL**

Fudan University Zhongshan Hospital is affiliated to National health and family planning commission. It is also the teaching hospital of Fudan university. The hospital was opened in 1937, it is the first comprehensive hospital managed by Chinese. The hospital was approved as the top three hospitals at the earliest stage in Shanghai. Cardiovascular disease, liver cancer, renal and pulmonary diseases, etc. 18 disciplines have been designated as the national Clinical Key Disciplines.

**INTRODUCTION OF THE DEPARTMENT**

Fudan university Zhongshan hospital is one of pioneer hospitals carrying out nuclear medicine diagnosis, therapy and corresponding research project. The department is also the origin of nuclear medicine in China. Since it was founded in 1956, the department has trained numerous excellent nuclear medicine specialists and harvested tons of achievements, such as nuclear medicine imaging research, development of new radiopharmaceuticals and isotope therapy. In addition, the department was funded a lot of grants by National Natural Science Foundation and was often awarded by local government. The department also edited many academic material and professional books.

**STAFF**

The department is directed by Professor Hongcheng Shi and is consisted of four sub-groups including medical treatment, imaging technology, radiopharmacologists and caring. There are one supervisor for Ph.D and one for Master. Number of doctoral, master and bachelor of educational degree for all people are five, nine and nine respectively.

**EQUIPMENT**

The department now has the most advanced PET/CT equipped with 64-slice CT Imaging System, with a 16-tier SPECT/CT diagnostic CT Imaging System, three single photon emission computed tomography imaging probes (SPECT), energy-medical cyclotron, bsgi mammary gland gamma camera, all kinds of experimental equipment and room for radionuclide radiation treatment.

**CLINICAL PRACTICE SCOPE**

Clinical work mainly includes radionuclide imaging and treatment, itemed as: PET/CT tumor imaging, PET/CT myocardial metabolic imaging, brain metabolism PET/CT imaging, nuclear cardiology, examination of the nervous system, digestive system examination, skeletal system examination, internal secretion system examination, pulmonary ventilation and perfusion imaging, breast nuclear imaging, and the treatment of thyroid disease and pain reliever by radionuclide internal radiotherapy.

**RESEARCH AND DEVELOPMENT**

The department has launched national level workshop numerous times designed for different research direction. The national workshop named "clinical practice and technology exploring of SPECT/CT" has been held for five years which received good feedbacks and greatly promoted the popularization of new technology of nuclear medicine. Also, the department has been authorized as one of the first group of sites to carry out standardized training project of medical imaging resident. Additionally, more than 100 SCI papers were published by our department. Multiple new drugs have been developed or still under development in our department cooperated with other institutes.

**TRAINING EXPERTISE**

1) molecular imaging diagnosis (tumor, cardiovascular disease) by PET/CT or SPECT/CT
2) standard operation of nuclear medicine instrumentations
3) radionuclide therapy

ADD: 180 Fenglin Road, Shanghai, China
www.zs-hospital.sh.cn
Huashan Hospital
Fudan University

INTRODUCTION OF THE HOSPITAL

Shanghai Huashan Hospital was founded in 1907. Huashan Hospital, previously known as the general hospital of the Chinese Red Cross Association, provides tertiary medical care, as well as medical training. Specialty areas include neurosurgery, dermatology, infectious diseases, orthopedic surgery, renal transplants, urology, pancreatic surgery, endocrinology, medical imaging and nuclear medicine and sports medicine.

INTRODUCTION OF THE DEPARTMENT

The department of nuclear medicine of Huashan Hospital was first established in 1959 as an isotopes room, and changed to nuclear medicine in 1984. At present, the department is recommended by ministry of education as a part of important imaging subjects, and still undertakes the teaching of Medical School of Fudan University, training of medical doctors from 1989.

STAFF

The Department is composed of 36 staffs including four chief physicians, four deputy-chief physicians, three deputy-chief technicians; and five doctors, 20 technicians and nurses in charge.

EQUIPMENT

The department has one PEC/CT, one small animal PET/CT, two SPECT, one SPECT/CT, two DEXA, three spectrum analyzers for Hp 13C test, radioimmunoassay laboratory, laboratory of cell biology, medicament room (Class three), models for SPECT/CT, PET, PET/CT quality control, and so on.

CLINICAL PRACTICE SCOPE

PET/CT imaging, SPECT/CT imaging, radioimmunoassay exam, bone mineral density test, 13C expiratory test, clinic of radionuclide therapy and clinic of osteoporosis.

RESEARCH AND DEVELOPMENT

For the past five years, the department has obtained research projects, two projects of International Atomic Energy Agency (IAEA), 4 of Municipality or Ministerial level, and 4 on department level. Additionally, the department won one award of 3rd class of Chinese Medical Association and one award of 3rd class of Progress of Science and Technology in Shanghai. Our team has issued 37 dissertations, in which 6 was published on SCI. The department held classes of the “development of quality control in nuclear medicine”, and still undertakes the teaching of Medical School of Fudan University.

TRAINING EXPERTISE

1) SPECT/CT imaging;
2) diagnosis and therapy for osteoporosis.

ADD: 12 Wulumuqi Zhong Rd, Shanghai, China
www.huashan.org.cn
Ruijin Hospital
Shanghai Jiao Tong University School of Medicine

INTRODUCTION OF THE HOSPITAL

Established in 1907, Ruijin Hospital is a general teaching hospital under the Shanghai Jiao Tong University School of Medicine with a land area of 0.12 million m², a construction area of over 0.22 million m² and a landscaped area covering nearly 30% of the total area. Currently, there are 1693 beds and 3544 staff including 958 doctors. Ruijin Hospital is one of the largest first-class medical, clinical teaching and scientific research center in China.

INTRODUCTION OF THE DEPARTMENT

As the predecessor of nuclear medicine of Ruijin hospital, the radiation medicine specialty was established by Professor Jiayu Xu in 1960s. After the efforts of several generations, it has become a nuclear medicine department with high level medical diagnosis and treatment, clinical teaching and scientific research.

Staff

Department of Nuclear Medicine of Ruijin Hospital currently has one lifetime professor, four leading physicians and two associate leading physicians, two attending physicians, three resident physicians, one engineer, two supervising technicians, eight technicians and two nurses.

Equipment

There are one PET/CT with 64-slice CT, one SPECT/CT, two SPECT, two absorptiometries, one Micro PET/CT in the department.

Clinical Practice Scope

- Diagnosis in oncology by PET/CT;
- Imaging of bone, myocardium, lung, kidney and thyroid by SPECT and SPECT/CT; detection of tumor markers;
- Bone densitometry;
- Assessment of HP by 13C-urea breath test;
- 131I therapy for hyperthyroidism and thyroid cancer;
- 89Sr therapy for metastatic bone pain;
- 131I uptake test, etc.

Research and Development

The department of nuclear medicine of Ruijin hospital has made a clinical feature including the diagnosis and treatment in oncology, cardiology and endocrinology etc. and has obtained much successes in clinical technology. It was approved as the national leading clinical discipline project, the key discipline of Shanghai Education Committee and the key discipline of Jiaotong University School of Medicine. For the past five years, it has won foundations such as National Natural Science Foundations, projects of Shanghai Science and Technology Commission, obtained one Shanghai Science and Technology Progress Award, one Shanghai Medical Technology Award and applied for two patents. As the master and doctor given point, it has taken the lessons of nuclear medicine for several departments in Jiaotong University School of Medicine and won the class A department and advanced teacher awards.

Training Expertise

1) Diagnosis in oncology by PET/CT and SPECT/CT;
2) Radionuclide therapy of thyroid disease

ADD: 197, Road RuijinEr, Shanghai, China
www.rjh.com.cn
Renji Hospital
Shanghai Jiao Tong University School Of Medicine

INTRODUCTION OF THE HOSPITAL

Shanghai Renji hospital was founded by Dr. William Lockhart who came from London Missionary Society in 1844. It is the first hospital practicing western medicine in Shanghai. In 1952, it became a teaching hospital affiliated to Shanghai Jiao Tong University School of Medicine. Now the hospital has four campuses: North, South, East and West campus, each located in different districts in Shanghai. Renji hospital has over 4,000 employees, it treats more than 2,170,000 emergency cases and outpatients, 57,000 inpatients and 28,000 operations each year. It is ranked as a “Grade 3, Class A” general hospital with a high reputation in China.

INTRODUCTION OF THE DEPARTMENT

The Radioisotope Unit was founded by Dr. Jimin Yuan in 1958 when the main diagnostic service was radioimmunoassay and I-131 thyroid uptake test. In 1986, the unit was officially recognized as an independent Nuclear Medicine Department. The first ADAC SPECT machine was purchased in 1991, which marked the introduction of radionuclide imaging. The technology of the department had further advanced and provided services including radioimmunoassay, diagnostic imaging, and therapies using radioactive substances. In 1997, Dr. Gang Huang has become the head of the department and more advanced technology and new machines had been successively introduced into the department.

STAFF

The department has a total of 36 staff members, everyone has an educational background of bachelor degree, six people have received doctorate degree, and four junior doctors have abroad study experience. Clinically, our department has seven chief physicians, four associate chief physician, four resident doctors, five imaging technologists, eight radioimmunoassay technologists, one engineer, and seven laboratory technicians.

EQUIPMENT

One SPECT/CT scanner: Philips Precedence 6 Slice SPECT/CT system
One PET/CT scanner: Siemens Biograph 64 HR PET/CT system

CLINICAL PRACTICE SCOPE

- SPECT/CT: Whole-body Bone Scan + Bone Spot SPECT/CT, Kidney Dynamic Scan (GFR/ERPF), Thyroid scan, Parathyroid scan, Gastric Emptying Scan, Salivary Scan, Hepatobiliary Scan, Lung Ventilation/Perfusion Scan, Brain Perfusion SPECT/CT Scan, Gated/Non-gated Cardiac Rest/Stress SPECT/CT
- F-18 FDG PET/CT: Wholebody PET/CT scan is often used for oncological applications including diagnosing, staging, and evaluation treatments for cancer patients, in addition, we also perform PET/CT scan for Routine physical checkup.
- In-Vitro radioimmunoassay: a variety of in-vitro tests are performed, for example: protein, hormone, drug, viral antigen, and tumor marker test.
- Non-imaging Diagnostic test and radionuclide therapy: C-13 breath test, I-131 thyroid uptake and thyroid I-131 therapy
- Bone Mineral Density Test

RESEARCH AND DEVELOPMENT

The department pursues more than 40 research projects including No. 973 National Scientific Research Project, New Radiopharmaceutical Research Project, State Natural Sciences Foundation Monumental Projects, and other more research projects approved by Shanghai Municipal Science and Technology Commission and Education Commission. Over the years, the department has published over 300 scientific papers in Chinese and international Journals and more than 10 academic textbooks.

TRAINING EXPERTISE

1) SPET/CT & PET/CT imaging
2) I131 radionuclide thyroid therapy
3) radioimmunoassay

ADD:160 PuJian Road, Pudong New District, Shanghai, China
www.renji.com
INTRODUCTION OF THE HOSPITAL

Xin Hua Hospital affiliated to Shanghai Jiao Tong University School of Medicine was founded in 1958. The hospital is a modern comprehensive teaching institution. It has a complete installation of disciplines with more than 2000 beds and 3300 staff. It has 58 tutors training for doctor degree students, 114 tutors training for master degree students. It conducts 12 doctor degree programs and 19 master degree programs and it boasts eight National Clinical Key Specialties.

INTRODUCTION OF THE DEPARTMENT

Xinhua hospital nuclear medicine department was founded in 1959. The nuclear medicine ward was established in 1978. The first domestic double probe ECT instrument was introduced in 1994. SPECT/CT was introduced in 2004. PET/CT imaging center was established in 2011.

STAFF

Medical staff includes ten doctors (one professor and three associate professors), two nurses, seven technicians and two Radiopharmaceutical scientist. One professor is the instructor for graduate.

EQUIPMENT

20 beds, one special needs bed are available in Department of Nuclear Medicine. We have PET/CT and accelerator, two SPECT/CTs.

CLINICAL PRACTICE SCOPE

Radionuclide therapy; PET/CT, SPECT/CT, ECT; RIA; Bone mineral density measurement; Determination of iodine absorption rate of the thyroid.

RESEARCH AND DEVELOPMENT

Radionuclide therapy is our medical characteristics including the 131-iodine treatment for differentiated thyroid cancer and hyperthyroidism of Graves’ disease, 89Sr treatment for bone metastases of malignant tumors. Three scientific subjects were achieved in a year:
1. Study on preparation of glucose modified nanocapsules encapsulated with 131I-tyrosines and the targeted therapy;
2. Pharmacodynamic Study of Fluorine-18 labeled coumarin derivatives;
3. The combined therapeutic effects of technetium[99Tc]methylene-diphosphonate and radioiodine on bone metastases.

TRAINING EXPERTISE

1) PET/CT tumor imaging;
2) Pediatric nuclear medicine;
3) Thyroid cancer 131I treatment.

ADD: 1665 Kongjiang Road, Shanghai, China
www.xinhuamed.com.cn
Shanghai General Hospital
Shanghai Jiaotong University

INTRODUCTION OF THE HOSPITAL

Shanghai General Hospital was founded in March 1st, 1864 and it was one of the largest and earliest Western hospitals in the Nation at the time. The hospital was once named as "Shanghai First People’s Hospital". With the rank of "Grade 3, Class A" in Shanghai, the hospital is divided into north and south site with an area of 294,775 square meters. There are 3,613 employees, 1,902 patient-beds and a total of 48 clinical departments in the hospital.

INTRODUCTION OF THE DEPARTMENT

The Nuclear Medicine Department was established by Dr. Yaozhang Huang in the 1950’s. Serving as the professional master’s and doctoral training site of Shanghai Jiaotong University and Nanjing Medical University, the department of Nuclear Medicine combines clinical, research and teaching in one set. It also acts as the clinical trial station for National Institution of Drugs and the training site for doctors reside in Shanghai. The department provides a variety of clinical services such as PET/CT imaging, SPECT/CT imaging, radioimmunoassay and radionuclide therapy.

STAFF

There are currently 23 staff members in the department, with eight doctors (one professor, one associate physicians, five attending physicians, one resident), one engineer, one radiochemist, eight technicians and four nurses.

EQUIPMENT

There are one PET/CT scanner, one cyclotron, two SPECT/CT scanners, one SPECT scanner, two DEXA scanners, and several immunoassay analyzers.

CLINICAL PRACTICE SCOPE

- PET/CT tumor imaging, PET/CT myocardial metabolic imaging, brain metabolism PET/CT imaging
- Nuclear cardiological imaging, nervous system imaging, whole body bone scan, endocrine system scans, pulmonary ventilation and perfusion imaging
- BMD assay and RIA
- Treatment of thyroid disease and bone metastasis using radionuclide internal radiotherapy
- Unique feature of the department: application of 18F-FDG PET/CT in the staging and prognosis of lymphoma.

RESEARCH AND DEVELOPMENT

Serve as the master’s and doctoral training unit of Shanghai Jiaotong University and Nanjing Medical University, the department of Nuclear Medicine combines clinical, research, and teaching in one set. During the past five years, the department has been honored to undertake and conduct more than 10 national and state level scientific research projects, including 5 National Nature Science Foundation projects. It has published more than 60 academic papers, including 20 articles recorded by SCI.

TRAINING EXPERTISE

1) PET/CT and SPECT/CT imaging diagnosis
2) In vitro radioimmunoassay

ADD: 100 Haining Road, Hongkou District, Shanghai, China
http://www.firsthospital.cn
**INTRODUCTION OF THE HOSPITAL**

The Sixth People’s Hospital affiliated to Shanghai Jiao Tong University, built in 1904, which is a third-grade class-A comprehensive hospital with 1766 approved beds, 33 clinical departments and 9 medical technology departments. It is known as China’s “birthplace of ultrasound diagnosis” and “the cradle of the replantation of amputated limb”. Orthopedics, Endocrinology and Metabolism, Otolaryngology, Medical Imaging, Sports Medicine and Emergency Medicine were awarded the fund of “National Clinical Key Subject” construction project.

**INTRODUCTION OF THE DEPARTMENT**

The Department of Nuclear Medicine has been awarded the fund of construction project “National Clinical Key Subject” (belong to Clinical Imaging Subject). It is an important branch of “Interventional Medical Imaging”, which is the key medical discipline of Shanghai. As Shanghai Jiao Tong University professional master’s and doctoral degree training unit, the Department of Nuclear Medicine combines clinic, research and teaching in one set.

**STAFF**

The department of Nuclear Medicine has one doctoral instructor, three master supervisors, three professors, and four vice-professors.

**EQUIPMENT**

The department conducts a comprehensive nuclear medicine diagnostic imaging and radionuclide therapy work and now has one unit of SPECT, two units of SPECT/CT, one unit of PET/CT, and a 25-bed radionuclide therapy ward.

**CLINICAL PRACTICE SCOPE**

It is one of the main centers for radioiodine therapy in China. “Radioiodine treatment of thyroid cancer and hyperthyroidism” is the unique feature of the department. Currently, in this department, the annual outpatient clinic service quantity is more than 20,000, the annual discharged DTC patients quantity is more than 1300, and more than 14000 patients receive nuclear medicine imaging examination (SPECT, SPECT/CT & PET/CT) each year.

**RESEARCH AND DEVELOPMENT**

In recent years, the department had been awarded five funds from the National Natural Science Foundation of China, and several funds from Shanghai Municipal. The department won several prizes of Shanghai science and technology, and published nearly one hundred academic papers, of which, about 60 papers were indexed by SCI, including JNM, JCEM, EJNM, ERC, CNM, Thyroid, Head & Neck etc., which are the international authoritative academic journals in the field of nuclear medicine and thyroid.

**TRAINING EXPERTISE**

1) Radioiodine therapy of thyroid disease;
2) Diagnosis in oncology by SPECT/CT & PET/CT

ADD: 600 Yishan Rd. Shanghai, China
www.6thhosp.com
Shanghai Tenth People's Hospital
Tongji University

INTRODUCTION OF THE HOSPITAL

Shanghai Tenth People’s Hospital, founded in 1910, and developed into one of the initial Grade-III A Hospitals of Ministry of Health providing medical care, teaching, research and prevention. There are approximately 2031 employees, including more than 200 staff members with senior professional titles. This hospital has two state key special departments and four Shanghai important special departments.

INTRODUCTION OF THE DEPARTMENT

The department of Nuclear Medicine serves as the clinical trial station for National Institution of Drugs, the training base for Shanghai institution of specialty residency, the academia and research station for Shanghai Essential Training and Research Center, the main training station for Tongji University’s Master/ PhD/ Postdoctoral programs. It also has an excellent faculty team providing bilingual teaching. This department consists of four sections, including Radionuclide Interventional Therapy, Functional Imaging, PET-CT Center and Experimental Nuclear Medicine.

STAFF

Professor Zhongwei Lv is the director of the department of nuclear medicine. He conducts major research projects in the field of cancer therapy, nucleotides intervention therapy and assessment by molecular imaging. Over the past decade, the department of nuclear medicine has fostered an outstanding team that specialized in both clinical trials and academia courses. The team consists of 24 specialists, including three senior professionals, seven intermediate title professionals, and eight doctors (four medical PhDs and four Masters).

EQUIPMENT

The department is equipped with a broad range of instruments, such as PET-CT, SPECT-CT, SPECT, DXA, HP inspection instruments and labeled immunoassay analyzer.

CLINICAL PRINCIPLE SCOPE

Our department has 22 wards for various radionuclide interventional therapies, including but not limited to post-surgical DTC therapy, hyperthyroidism therapy, malignancy iodine-125 implantation therapy and radioimmunology therapy. It is also equipped with label experiment lab, molecular therapy lab and cell culture room.

RESEARCH AND DEVELOPMENT

We are responsible for academic training in Clinical Medicine and Experimental Nuclear Medicine for Tongji University and Nanjing University. We are also honored to initiate and conduct more than 30 national and state level scientific research projects, including 12 National Nature and Science Foundation projects. We have published more than 150 academic papers, with more than 40 of them recorded by SCI. We serve as chief editor for a total of more than 10 nationwide used textbooks. We have achieved national awards, including one science and technology award from Huaxia Medical Institution, two Shanghai scientific and technological advancement awards, three Shanghai medical scientific and technological advancement awards, one Shanghai teaching achievement. In addition, we have completed four clinical drug trials and eight national continuing education programs. Our nuclear medicine course has won the Tongji Excellent Curriculum award and Shanghai Excellent Curriculum award.

TRAINING EXPERTISE

1) Radionuclide Interventional Therapy
2) Functional Imaging

ADD: 301 Middle Yanchang Road, Shanghai, China
www.shdsyy.com.cn
Shanghai Changhai Hospital

**INTRODUCTION OF THE HOSPITAL**

Changhai Hospital, founded in 1949, is affiliated with The Second Military Medical University. A modern large-scale comprehensive hospital including medical, teaching and scientific research, the Changhai Hospital, at present, administers Traditional Chinese Medicine and has 57 departments including 15 national key disciplines, and 2100 beds for clinical use. There is 1 Chinese academician of Chinese Academy of Engineering, 67 doctoral supervisors, and 102 master supervisors. In addition, the hospital holds 42 PhD programs, 46 master-degree programs and 3 post-doctorate programs.

**INTRODUCTION OF THE DEPARTMENT**

History of the department
Changhai Hospital first opened isotope diagnostic and treatment unit in 1958. An independent nuclear medicine department was established in 2000 and shortly afterwards, it became a master’s and doctoral degree authorization centers. The disciplines of medical imaging and nuclear medicine of Changhai Hospital was elected to be the national key discipline in 2002; and in 2003, it became the national new drug clinical trial base.

**STAFF**

The department has 4 professors (1 PhD supervisor), 5 attending doctors, 5 resident doctors, 15 technologists and nurses, 1 assistant researcher, and more than 10 postgraduates and training resident.

**EQUIPMENT**

The medical equipments in our department include Siemens Biograph 64 high resolution PET-CT, Siemens Symbia T16 SPECT-CT, Philips Forte dual probe SPECT, thyroid function test instrument, technetium gas generator, automatic radioimmunoassay detector, ECL detector and professional radiation protection and testing equipment.

**CLINICAL PRACTICE SCOPE**

- PET/CT imaging
- SPECT/CT imaging
- ¹³¹I treatment of hyperthyroidism
- ⁸⁹Sr treatment for bone metastases
- In vitro radioimmunoassay

**RESEARCH AND DEVELOPMENT**

Approximately 8,200 SPECT examinations and 8,700 PET-CT examinations are done every year. More than 30 million in-vitro tests and 600 radionuclide internal irradiation therapies (hyperthyroidism, bone metastasis etc.) were carried out annually. The teaching programs also include master's and doctoral programs, resident doctors, and graduate physicians’ training programs, as well as continuing educational programs. In recent years, we obtained 3 funds from National Natural Science Foundation of China and 10 research projects at provincial and national level. In addition, the department has published more than 50 SCI articles and cases, and won a first prize of progress in science and technology set up by the Ministry of Education.

**TRAINING EXPERTISE**

1) PET/CT and SPECT/CT diagnosis, especially PET/CT and other imaging (CT or MRI) comprehensive diagnosis on pancreatic disease, hepatobiliary disease and other abdominal diseases.
2) ¹²⁵I radioactive seeds intratumor planting

ADD: 168 Changhai Road, Shanghai, China
http://www.chhospital.com.cn/