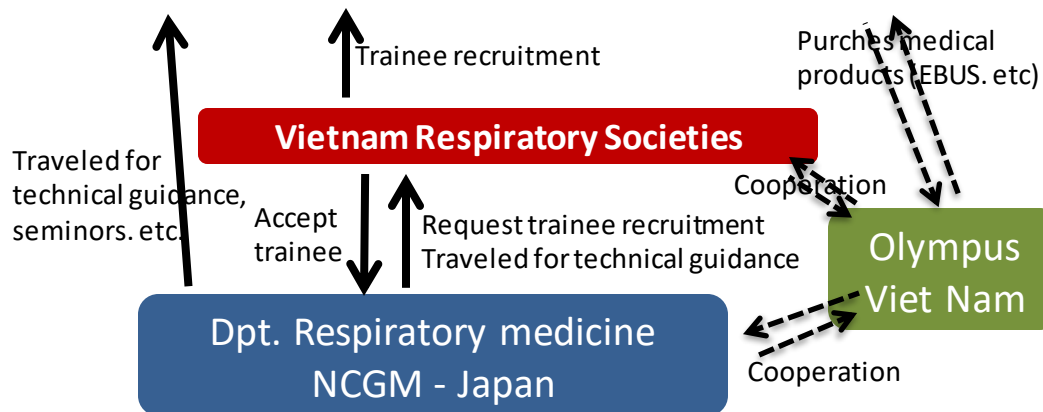


Spreading and technological improvement of respiratory endoscopes in Vietnam

- EBUS and bronchoscopy are the world's leading fields in Japan. Bronchoscopy is one of the basic elements of respiratory clinical practice, but bronchoscopy technology such as EBUS-TBNA, which is important in clinical practice even in the world guidelines, has not been introduced in Vietnam. This project is being renewed for a single year, and in 2017-2019, we succeeded in implementing EBUS on a demonstration machine in Vietnam, implementing about 100 cases at a total of 8 hospitals, and a total of 45 doctors at 12 facilities, and help approving of health insurances. After training, some hospitals are beginning to purchase and introduce EBUS, but In 2020 and 2021, due to the influence of COVID-19, only some simple alternative projects were implemented, so equipment purchase Pending at 7 hospitals, equipment purchased but has not started at 2 hospitals, and the number of cases has not increased at 2 hospitals that have already been started EBUS. In addition, the Vietnamese Respiratory Society has requested assistance in introducing new technologies such as internal medical thoracoscopy and cryobiopsy.
- With the cooperation of the Olympus Vietnam Chapter, the NCGM Department of Respiratory Medicine will be conducted mainly by a Japanese specialist (doctor) who can provide direct instruction in Vietnamese. The Vietnamese Respiratory Society, which we cooperate with, will fairly recruit competent doctors from major hospitals throughout Vietnam. Trainees will be trained at NCGM for 3 weeks. After returning to Vietnam, experts will visit the trainees' medical institutions to give lectures and practical training. We will carry out early deployment of EBUS and the other respiratory endoscopy throughout Vietnam.
- The widespread use of the world-standard bronchoscopic procedure required for medical treatment will bring health benefits to the enormous number of patients throughout Vietnam. While aiming to incorporate it into medical insurance, it will be disseminated to core hospitals throughout Vietnam within a few years. In the future, we will support core hospitals to be able to educate EBUS so that they can be spread to the provincial hospital level within 10 years.

Core hospitals throughout Vietnam playing a central role in bronchoscopy in respiratory department, cancer, tuberculosis, etc.



Nov.-Jan. NCGM 3-week training (3 doctors or assistant workers / term)

Lectures of bronchoscopic procedures, Hands-on (Hachioji), CT interpretation for bronchoscope, basic confirmation of anatomy. etc.

Feb. Technical assistance, on-site training

Practical training with demonstration machines at medical institutions with NCGM training students, Introduction and assistance for stable implementation at medical institutions that have purchased equipment, Lectures and guidance related to bronchoscopes linked to the existing education system in Vietnam, we respond to lectures and guidance requests for the introduction of EBUS and bronchoscopes from all over the country.

Remote alternative contents in Corona situation

Publication and distribution of the textbook being created, Remote technical support upon request, Remote lectures, lectures at academic conferences, lectures by trainees, etc. While observing the situation, grasp the current situation of bronchoscopes in Vietnam, maintain E-learning, etc.