



Submission No.: GTW-9258

Session : GTW (Go together with) Symposium

Date & Time, Place : November 18 (Sat), 11:00-12:30, Room 5F-1

Session Title : Let's Overcome Hurdles of Vietnam Transplantation

---

## **Current Situation and Hurdle of Deceased Donation Transplantation Promotion in Vietnam**

**Ninh Viet Khai**

*Viet Duc University Hospital, Vietnam*

---

### **Abstract**

#### **1. Current situation of organ transplantation in Vietnam**

Vietnam is a Southeast Asian country with an area of 331,212 square kilometres and about a population of 100 million. In Vietnam, experimental organ transplantation has been performed in dogs since the 1970s. On June 4, 1992, the first kidney transplant was performed from a living donor with support of surgeons from Taiwan. In 2004, the first living donor liver transplantation was performed for child with congenital biliary atresia. The law of brain death donation was published. Basing on this legislation, In 2010, the first liver transplant from a brain-dead donor was performed. By July 31, 2023, after more than 13 years of organs procurement from brain-dead donors, our country has performed 455 cases (out of a total of 7,824 cases, equivalent to 5.8%) from 149 donors with an average 0.1 brain dead donor/ 1 million/ per year.

#### **2. Hurdles in deceased donor organ transplantation**

There are many issues that obstruct the activities of organ transplantation from deceased donor. Some of these could be mentioned such as

- The knowledge about brain – death and cardiac death is limited, about 30% of medical staffs misunderstand brain death concept.
- The coordinator teams is few, most of part – time staffs, less supports, less training. 5/23 organ transplantation hospitals in Vietnam established coordinator team for organs donation from deceased donor.
- Most hospital can not diagnose brain death, recover brain dead donor, organs procurement
- No preferential regime and supportive policies for family of deceased donors from government



- Medical insurance pay less 1/10 cost of transplantation

And so on

### 3. Solutions in the future

Our Vietnam national centre of coordination for human organ transplantation (VNCCHOT) has plans to solve the hurdles like

- Reinforcing training and education on brain death diagnosis and rehabilitation for medical staffs (specially in emergency, ICU, neurosurgery, neurology department...)
- Developing and standardizing the donor hospital network
- Establishing more coordinator team and network
- Continuously discussing and proposing the medical insurance company to pay more for transplantation
- Urging transplantation hospitals to learn and perform the deceased donation organ transplantation techniques.
- Publish the criteria of cardiac death in Vietnam. Proposing the Nation Assembly to supplement the law of organs donation from cardiac death.

### 4. Conclusion

Activities of donating, procurement and organ transplantation from deceased donors in Vietnam still have many difficulties and barriers. Implementing the solutions requires the cooperation of the entire society and political organizations, international relationship...