



Submission No.: CS09-9373

Session : Concurrent Symposium 9 (Liver)

Date & Time, Place : November 18 (Sat), 09:00-10:30, Room 6F-1

Session Title : Pediatric LDLT

Genetic evaluation & counselling in PED LT

Beom Hee Lee

Asan Medical Center, University of Ulsan, Republic of Korea

Recent innovative advances in the techniques for genetic diagnosis have remarkably changed the clinical care of the patients with rare genetic diseases. Overall, 30~40% of the patients suspected to have genetic disease can be genetically confirmed in the diverse phenotypic spectrum.

With this remarkable improvement in the diagnosis, the importance of support and counseling for the patients and their family members has become increased and the role of genetic counselor is essential and central in this process.

Among the pediatric patients who received liver transplantation in Asan Medical Center, Seoul, Korea, ~ 85% of the patients have genetic background. Especially, genetic diagnosis and counseling before the liver transplantation is important for donor and organ selection. In this regards, multidisciplinary team approach is required for the successful transplantation outcome. In addition, because most recipients are in the critical medical condition, rapid genetic testing using genome sequencing would facilitate the decision making process.

In the current talk, the successful transplantation cases who got the help from this multidisciplinary team approach and rapid genetic screening will be presented.