



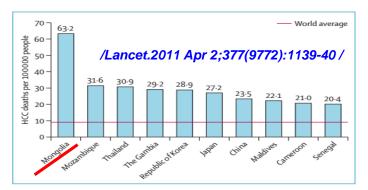
13th Year Single-Center Experience of Living Donor Liver Transplantation in First Central Hospital of Mongolia

Bat-Ireedui Badarch¹, Batsaikhan Bat-Erdene³, Batsaikhan Batsuuri¹, Ganzorig Batjargal², Sergelen Orgoi¹, Anar Ganbold¹, Erdene Sandag², Tserenbat Bazarsad¹ First Central Hospital Of Mongolia



INTRODUCTION:



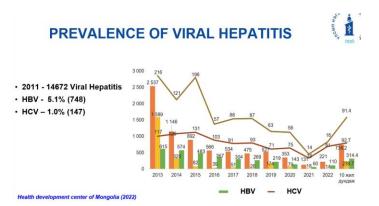


First successful living donor liver transplant

in Mongolia

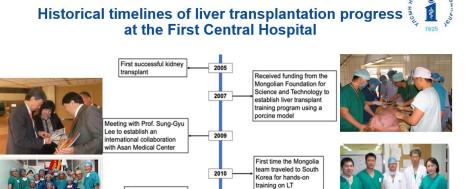
 ${\it Figure:} \ Top\ ten\ countries\ with\ the\ highest\ annual\ mortality\ rate\ from\ hepatocellular\ carcinoma\ (HCC)$

Source: WHO.

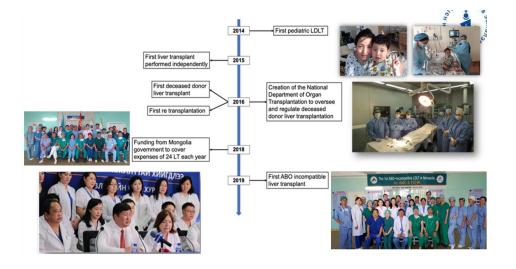


The leading 10 locations for cancer, morbidity rate by gender, in 100,000 population, 2020





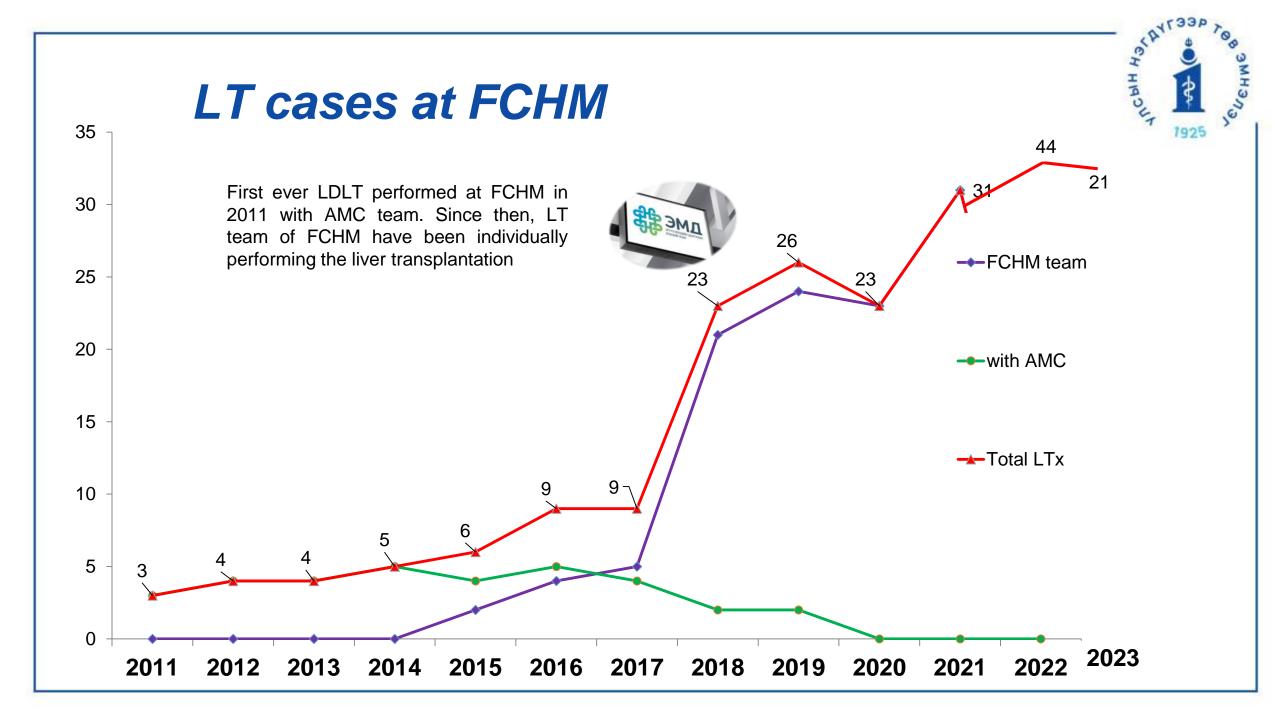
2011



Liver transplantation program at FCHM

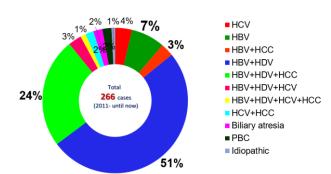




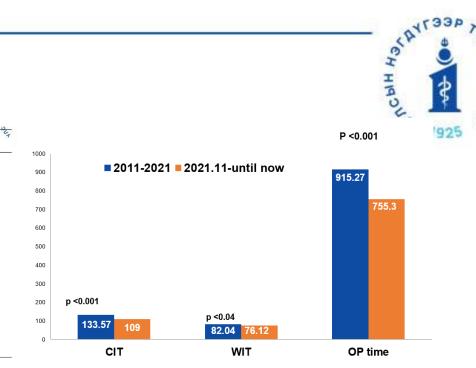


Result

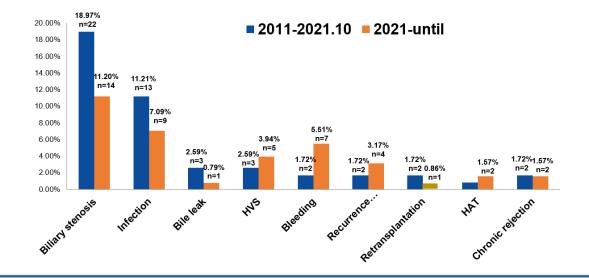
Underlying liver disease-LT



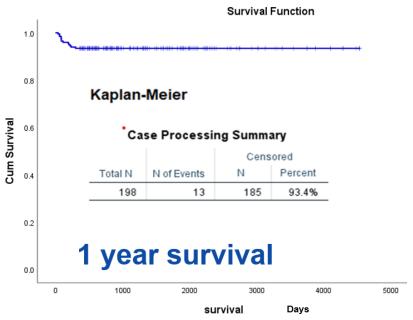
	110
Characteristic	Mean
Age	45.6 ± 9.8
Sex	
Male	130
Female	136
Weight	71.1 ± 13.3 kg
ВМІ	25.6 ± 1.9 kg/m2
MELD score	15.1 ± 5.4
Graft volume	738.6 ± 194.6 g
GRWR	1 ± 0.29

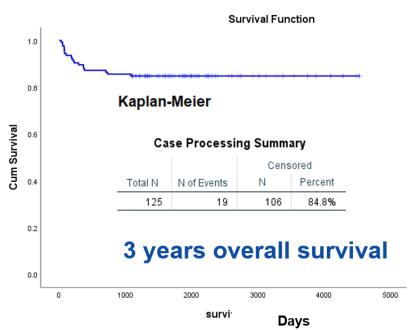


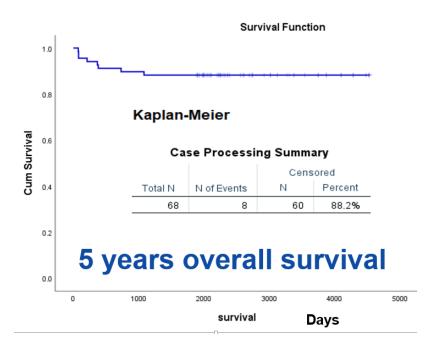
Post LT complications



SURVIVAL

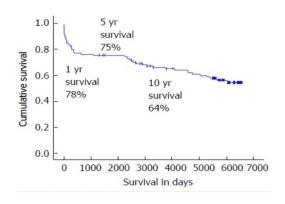


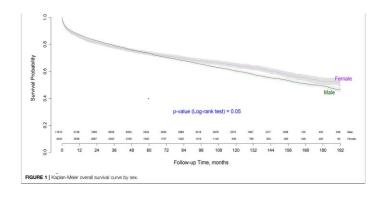




DISCUSSION







Mortality and Causes of Death After Liver Transplantation:
Analysis of Sex Differences in a Large Nationwide Cohort

World J Hepatic. 2017 Mar 18; 9(8): 427–435.

Transplant Int. 2022; 35: 10263.

DISCUSSION

Currently, the 1-year, 3-year, and 5-year patient survival rates are 91.8%, 83.8%, and 76.1%, respectively.

United network for organ sharing organ procurement and transplantation network 2019.

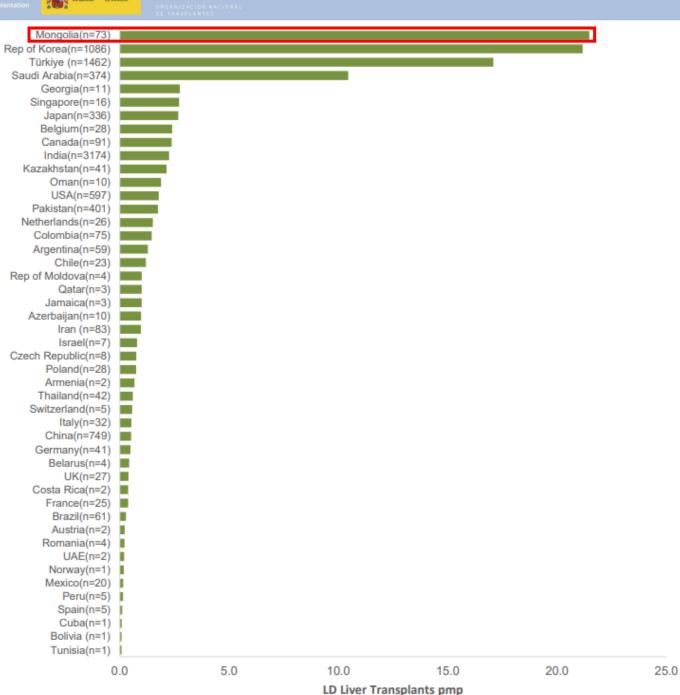
- Post-LT biliary complications include strictures (anastomotic and non-anastomotic), bile leaks, stones, and sphincter of <u>Oddi</u> dysfunction.
- Prompt recognition and management is critical as these complications are associated with mortality rates up to 20% and retransplantation rates up to 13%.

Post-transplant biliary complications: advances in pathophysiology, diagnosis, and treatment. BMJ Open Gastro 2022;9:e000778

DONORS

- 56.9% of donors are men, their average age is 31.6±7.6 years.
- 95.9% of donors were related to the recipient.
- Postoperative complications occurred in 2 donors:
 - Portal vein stenosis-1
 - Post-operative hernia-1
- Mortality rate is 0%.





Liver transplants activities from living donors (pmp) 2022



9 061 living liver transplants

Living Liver transplants performed in 47/91 countries



Conclusion

The establishment of an independent LT program in a LMIC with a help of Developed countries, with outcomes similar to well established programs is feasible, and significantly increases access to life-saving procedures for patients with end-stage liver disease.



Thank you for your attention

