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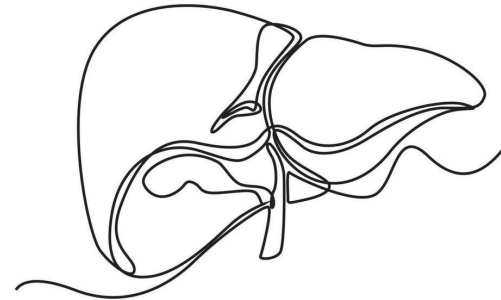
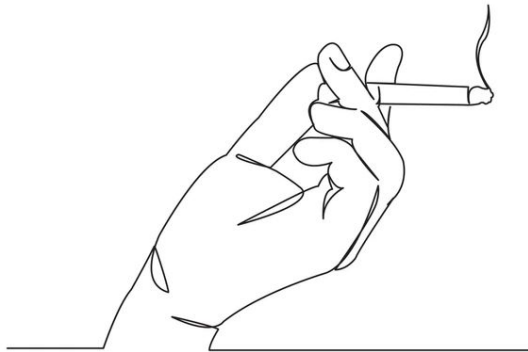


Hospital Universitario
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Comunidad de Madrid

Tobacco Influence on Short-Term Outcomes of Liver Transplantation

Alba Gómez Barrena , Iago Justo Alonso, Alberto Marcacuzco Quinto, Oscar Caso Maestro, Félix Cambra Molero, Álvaro García-Sesma Perez-Fuentes, Alejandro Manrique Municio, Jorge Calvo Pulido, Manuel Abradelo de Usera Carmelo Loinaz Segurola.



The authors declare that they have no conflict of interest or financial disclosure



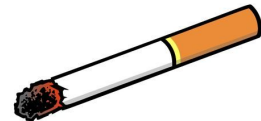
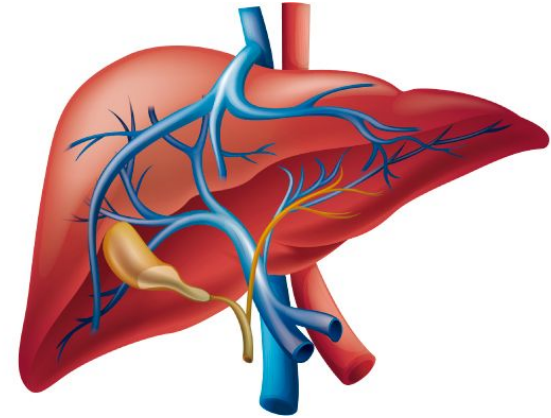
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INTRODUCTION:

Tobacco consumption is strongly associated with the onset of cancer and cardiovascular diseases, but in some recent articles on transplant patients, it has also been associated with vascular and biliary complications.

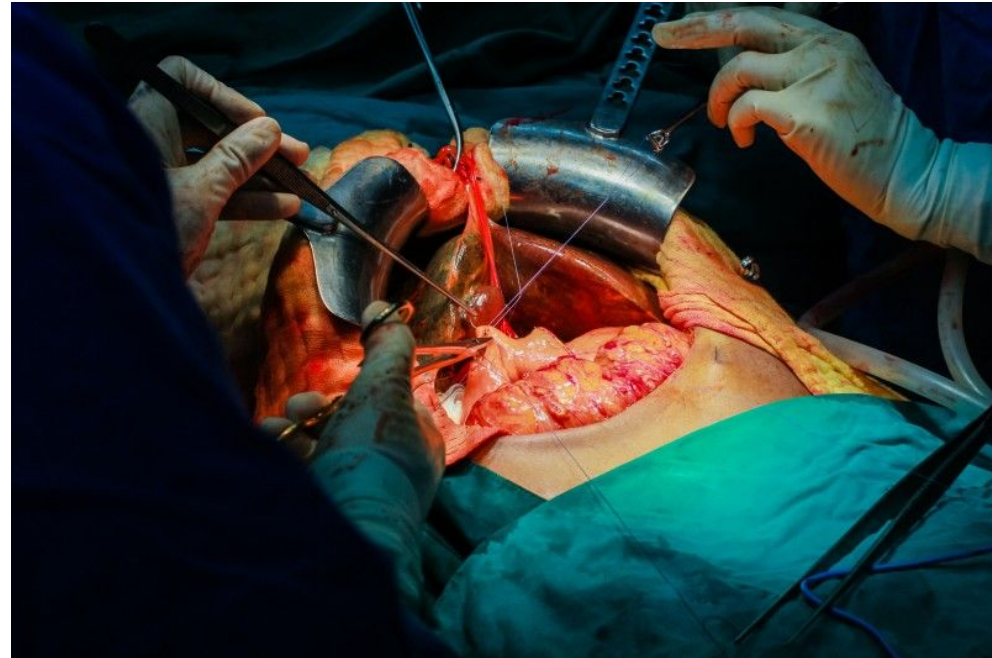
Likewise, a close relationship with post-transplant arterial thrombosis has been demonstrated.



MATERIALS AND METHODS:

- From January 1, 2014, to August 31, 2023, we performed 523 liver transplants. We selected a sample of 489 patients with follow-up until March 3, 2024, dividing the sample into three groups:
 - Smokers (S) (132 patients);
 - Non-smokers (NS) (184 patients)
 - Former smokers (FS) (173 patients).

- Pediatric recipients and those with multi-visceral transplants were excluded.



RESULTS:

	Smokers	Non-smokers	Former smokers	P
Age	56 (22-71)	58 (18-74)	60 (29-70)	p=0.002
BMI	25.2 (14.2-37.8)	26.5 (15.7-46.8)	26.4 (16.6-41)	p=0.120
HCV cirrhosis	44.8%	43.7%	43.1%	p=0.967
Hepatocellular carcinoma	19.8%	24.5%	24.5%	p=0.238
MELD score	12 (6-33)	14 (6-46)	12 (6-36)	p=0.028
Preoperative portal thrombosis				
- complete	-6.9%	- 12.6%	- 12.7%	p=0.238
- partial	-12.1%	- 9.2%	- 14.7%	
Survival				
- 1 year	86.4%	92.5%	89.4%	p=0.216
- 3 years	84.3%	86.5%	81.7%	
- 5 years	83.1%	83.2%	77.5%	
Plasma transfusion	3 (0-60)	5 (0-58)	3 (0-50)	p=0.001

CONCLUSION:

- We did **not** find statistically significant differences among patients based on smoking habits.
- In our study, it does **not** represent a decisive factor for such complications.

