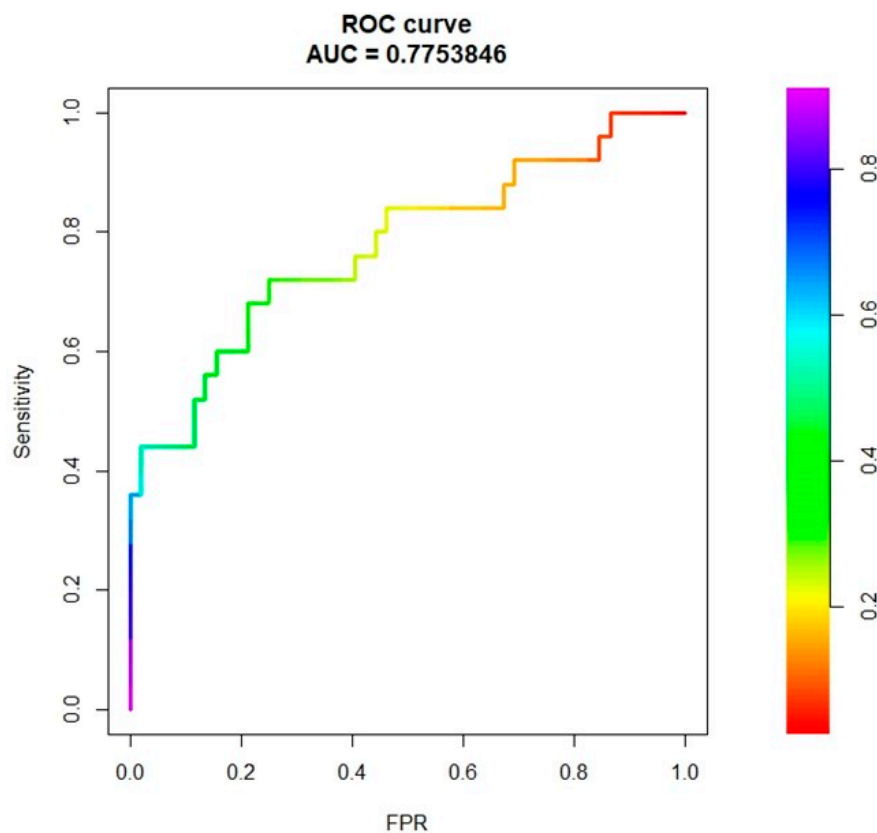
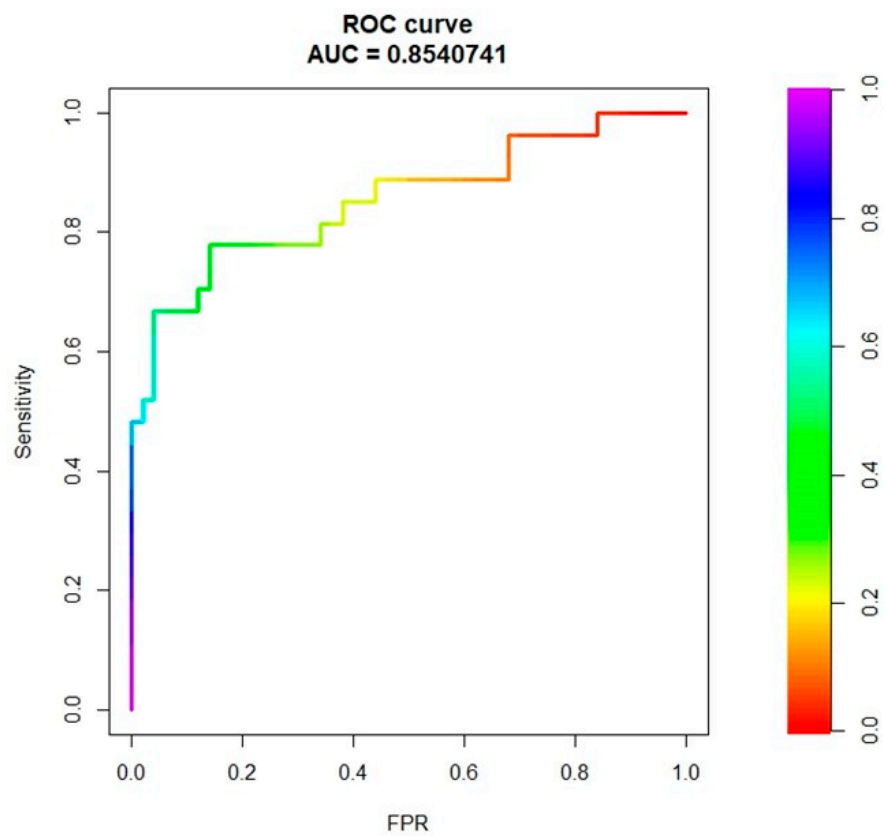


## Virtual Biopsy for Diagnosis of Chemotherapy-Associated Liver Injuries and Steatohepatitis: A Combined Radiomic and Clinical Model in Patients with Colorectal Liver Metastases

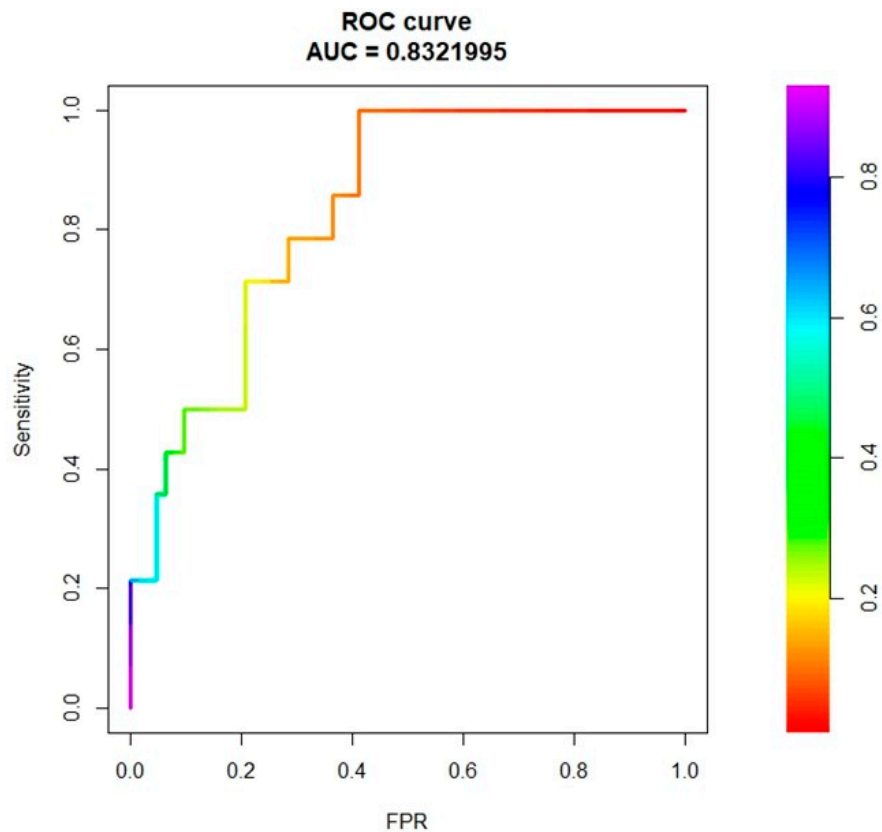
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**Figure S1.** ROC curve analysis of the clinical and laboratory model for the prediction of grade 2–3 sinusoidal dilatation.



**Figure S2.** ROC curve analysis of the clinical and laboratory model for the prediction of NRH.



**Figure S3.** ROC curve analysis of the clinical and laboratory model for the prediction of NASH

**Table S1.** Chemotherapy-related liver injuries.

<b>Sinusoidal Dilatation</b> , classified according to Rubbia-Brandt et al. [1]	
<b>Grade 1</b>	Centrilobular involvement limited to one-third of the lobular surface
Grade 2	Centrilobular involvement extending in two-thirds of the lobular surface
Grade 3	Complete lobular involvement
<b>Nodular regenerative hyperplasia</b> , classified according to Wanless et al. [2]	
Grade 1	Focal occasionally distinct nodular hyperplasia on reticulin staining but indistinct on hematoxylin and eosin staining
Grade 2	Focal distinct nodular hyperplasia apparent on hematoxylin and eosin staining, clearly highlighted on reticulin staining
Grade 3	Diffuse nodular hyperplasia, distinct in most areas on hematoxylin and eosin staining and highlighted on reticulin staining
<b>Steatohepatitis</b> , components classified according to Kleiner et al. [3]	
Definition according to EASL guidelines [4], i.e., the joint presence of steatosis, ballooning and lobular inflammation.	
Steatosis	
Grade 1	<30% of involved hepatocytes
Grade 2	30–60% of involved hepatocytes
Grade 3	>60% of involved hepatocytes
Lobular inflammation	
Grade 1	<2 foci per 200x field
Grade 2	2–4 foci per 200x field
Grade 3	> 4 foci per 200x field
Hepatocellular ballooning	
Grade 1	Few balloon cells
Grade 2	Many cells/prominent ballooning

**Table S2.** Association between CALI and operative outcomes.

<b>Grade 2–3 Sinusoidal Dilatation</b>			
	<b>N (n = 53)</b>	<b>Y (n = 25)</b>	<b>p</b>
90-day mortality	- (0%)	- (0%)	-
Major morbidity (grade ≥III) *	4 (7.6%)	1 (4.0%)	1.000
Grade B-C liver failure **	1 (1.9%)	1 (4.0%)	0.541
<b>NRH</b>			
	<b>N (n = 51)</b>	<b>Y (n = 27)</b>	<b>p</b>
90-day mortality	- (0%)	- (0%)	-
Major morbidity (grade ≥III) *	4 (7.8%)	1 (3.7%)	0.654
Grade B-C liver failure **	1 (2.0%)	1 (3.7%)	1.000
<b>Steatohepatitis</b>			
	<b>N (n = 64)</b>	<b>Y (n = 14)</b>	<b>p</b>
90-day mortality	- (0%)	- (0%)	-
Major morbidity (grade ≥III) *	3 (4.7%)	2 (14.3%)	0.281
Grade B-C liver failure **	1 (1.6%)	1 (7.1%)	0.329

\* According Clavien-Dindo classification, please see Dindo et al., *Ann Surg* 2004 [5]; \*\* according to ISGLS classification, please see Rahbari et al., *Surgery* 2011 [6].

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