## Causality Assessment of a Drug in a Case of Acute Liver Injury. CIOMS\* Scale

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	HEPATO CELLULAR TYPE		C	CHOLESTATIC OR MIXED TYPE		ASSESSME
TIME TO ONSET						
Incompatible	Reaction occurred before 15 days after stopping the metabolized drugs)	ly 30	Reaction occurred before starting the drug or more than 30 days after stopping the drug (except for slowly metabolized drugs)			
Unknown	When Information is not available to calculate time to onset, then the case is					insufficiently Documented
	Initial treatment	Subsequent treatment	Iı	nitial treatment	Subsequent treatment	SCORE
-From the beginning of the dru Suggestive Compatible -From cessation of the drug	5-90 days <5 or >90 days	1-15 days >15 days	<	-90 days 5 or > 90 days	1-90 days > 90 days	+2 +1
Compatible	= 15 days</td <td><!--= 15 days</td--><td>&lt;</td><td>/= 30 days</td><td><!--= 30 days</td--><td>+1</td></td></td>	= 15 days</td <td>&lt;</td> <td>/= 30 days</td> <td><!--= 30 days</td--><td>+1</td></td>	<	/= 30 days	= 30 days</td <td>+1</td>	+1
COURSE	Difference between the poupper limits of normal va		Difference between the peak of A.P. (or TB) and upper limits of normal values			
Alter cessation of the drug Highly suggestive Suggestive Compatible Inconclusive  Against the role of	Decrease >/= 50% within Decrease >/= 50% within Not applicable No information or decrea- the 30th day	D D P	Not applicable Decrease >/= 50% within 180 days Decrease < 50% within 180 days Persistence or Increase or no Information		+3 +2 +1 0	
the drug  If the drug is continued	Decrease = 50%, after the 30th days or recurrent increase</td <td></td> <td colspan="2">No situation. Not applicable</td> <td>-2</td>			No situation. Not applicable		-2
Inconclusive	All situations			All situations		0
RISK FACTORS	Ethanol	Е	thanol or pregnancy			
Presence Absence	I		l			+1 0
Age of the patient >/= 55 years Age of the patient < 55 years						+1 0
CONCOMITANT DRUG(S)						
None or no information or concomitant drug with incompatible time to onset  Concomitant drug with compatible or suggestive time to onset  Concomitant drug known as hepatotoxin and with compatible or suggestive time to onset  Concomitant drug with evidence for its role in this case (positive rechallenge or validated test)						0 -1 -2 -3
SEARCH FOR NON DRUG CAUS	SES					
Group 1 (6 causes)		All causes - group I and II - reasonably ruled out The 6 causes of group I ruled out 4 or 5 causes of group I ruled out Less than 4 causes of group I ruled out Non drug cause highly probable			+2	
Recent viral infection with HAV (I <sub>1</sub> HBV) or HCV (anti HCV and non a Biliary obstruction (ultrasonograph	The 6 caus				+1	
Acute recent hypotension history (p					0	
Group II Complications of underlying diseas	Less than 4				-2	
Context suggesting CMV, EBV or l	Non drug				-3	
PREVIOUSE INFORMATION ON	HEPATOTOXICITY OF TH	E DRUG				
Reaction labelled in the product characteristics Reaction published but unlabelled Reaction unknown						+2 +1 0
RESPONSE TO READMINISTRA	TION					
Positive Doubling of ALT with the drug alone Doubling of AP (or TB) with the drug alone Doubling of AP (or TB) with the drug already						+3 +1
Negative Increase	the time of the 1st reaction Increase of ALT but less than N in the same conditions as for the first administration Other situations  other situations  the time of the 1st reaction Increase of AP (or TB) but less than N in the same conditions as for the first administration Other situations  other situations					-2
						0
		<u> </u>	Total (add the	encircled figures)		

The total store may be classified in 5 degrees: SCORE </= 0 excluded; 1-2 unlikely; 3-5 possible; 6-8 probable; above 8 highly probable. \* Council for the International Organization of Medical Sciences.