

Supplemental Table 2: information for MASLD-HCC patients

Patient_id	Gender	Age	Hospitalization number	Surgical date	Follow up date	Recurrence date	Status (Live: 0; Dead: 1; Out of contact:3)	OS.Time (day)	Tumer size (cm)	Differentiation	Venous invasion	Continued table
10-167531C	F	53	183865	2015/11/16	2024/3/10	2016/11/16	0	3037	7.7×6.7	IV	None	
145458	M	54	154597	2014/7/18	2014/7/28	None	1	10	4.2×2.9	III	None	
146273	F	78	155666	2014/8/25	2017/8/15	None	1	1086	10.3×11.6	IV	Yes	
148690	M	69	159612	2014/11/24	2020/7/24	2020/5/19	1	986	3×3.9	III	None	
152703A	F	71	136879	2013/4/23	2024/3/10	None	0	3974	2×2.2	III	None	
2-126981	M	58	128307	2012/9/26	2024/3/10	None	0	4183	1.3×1.8	I	None	
2-128320	M	52	130316	2012/12/21	2022/12/1	None	3	3632				
2-132147	M	69	135482	2013/4/18	2017/6/18	2013/8/26	1	1522	7.0×7.0	III	Yes	
2-136763	F	51	142935	2013/10/18	2024/3/10	None	0	3796	10.0×10.0	II-III	None	
2-137264	M	67	143744	2013/11/5	2020/12/15	2015/4/17	1	2597	3.7×4.6, 3.0×2.1	III	None	
2-137638	M	71	143945	2012/10/18	2024/3/10	None	0	4161	1.2×1.5	II	None	
2-138301	F	69	145159	2013/12/12	2016/12/13	2014/3/19	1	1097	9.1×9.7	III	Yes	
2-140003	M	62	087825	2010/10/23	2022/12/1	2013/12/31	3	4422	4.6×4.0	II	None	
2-155219D	M	61	080552	2010/5/14	2024/3/10	2015/7/7	0	5049	11.5×8.5	III	M2	
2-155314E	M	75	169282	2015/7/21	2024/3/10	None	0	3155	6.7×5.3	III	None	
2-157667D	M	75	172895	2015/10/22	2024/3/10	None	0	3062	11.6×9.1	III-IV	M2	
2-158193A	M	48	173652	2015/11/9	2018/8/15	None	1	1010	8.2×4.6	IV	M1	
2-158432D	M	66	173657	2015/11/6	2016/12/7	2016/11/16	1	397	4.3×3.6	III	M1	
2-169388A	M	80	186400	2016/11/15	2022/12/1	None	3	2207	6.6×6.8	III	M1	
2-169815D	F	70	186944	2016/12/1	2024/3/10	2018/10/5	0	2656	2.5×1.8, 0.6	III	M0	
2-169886G	M	59	185685	2016/11/7	2022/12/1	None	3	2215	7×6.4, 6.9×6.1	III	M0	
2-172770B	M	75	191992	2017/5/22	2024/3/10	None	0	2484	10×9	II	M1	
2-173368B	M	53	192837	2017/5/22	2024/3/10	None	0	2484	7.2×8.2	III	M0	
2-173905C	M	55	193450	2017/6/9	2022/12/1	None	3	2001	3.4×3	III	M0	
2-174413A	F	73	194025	2017/6/27	2020/4/10	2018/5/20	1	1983	2.9×2.5	III	M0	
2-178309A	M	61	199533	2011/11/8	2019/4/15	None	1	2715	8.6×5.4	III	M1	
2-178447C	M	73	199692	2017/11/29	2024/3/10	2018/2/27	0	2293	1.6×1.9	III	M0	
2-179135C	M	61	200764	2017/11/14	2024/3/10	None	0	2308				
2-181824	M	71	203758	2018/4/2	2022/12/1	None	3	1704	5.9×9	III	None	
2-183311C	F	81	205584	2018/5/31	2024/3/10	2018/8/16	0	2110	6.8×5.6	II-III	M0	
2-183785E	M	69	206390	2018/6/20	2022/12/1	None	3	1625	3.2×2.4	III	M0	
2-184115B	M	72	206993	2018/7/3	2023/10/3	None	1	1918	12.3×8.6	III	M0	
2-185613B	F	50	209245	2018/9/3	2024/3/10	None	0	2015	9.9×7.6	III	M1	
2-185954D	M	49	209404	2018/9/17	2024/3/10	None	0	2001	4×2.7	II	M0	
2-187247D	M	81	211480	2018/11/12	2024/3/10		0	1945				
187323	F	61	150871	2014/5/7	2024/3/10	2017/5/4	0	3595	9.3×7.3	III	M1	
2-190169D	M	48	215635	2019/1/8	2022/12/1	None	3	1423	5.4×4	I	M0	
2-194044C	M	66	219017	2019/6/24	2022/12/1	None	3	1256	4.4×4, 3.3×3.1	III	M0	
2-196068B	M	21	221454	2019/9/5	2024/3/10	None	0	1648	11.7×9.9	III	M0	
2-196108B	M	65	221583	2019/9/6	2024/3/10	None	0	1647	4.2×3.7	III	M0	
2-202293D	M	63	228678	2020/7/1	2024/3/10	None	0	1348	10.6×8.3	III	M1	
2-203166B	F	69	229745	2020/8/4	2024/3/10	None	0	1314	7.7×6.4	III	M0	
2-204275B	M	69	231185	2020/9/15	2024/3/10	None	0	1272	3.8×3.1	III	M0	
2-204444A	F	60	231462	2020/9/24	2022/12/1	2021/1/28	3	798	2×2	III	M2	
2-205894C	M	42	233201	2020/11/24	2024/3/10	None	0	1202	4.9×4.4	III	M0	
2-206391C	F	64	234000	2020/12/15	2023/2/5	None	1	782	3.7×3.2	III	M0	
2-M133809	M	64	137982	2013/6/21	2021/2/15	None	1	2796				
2-Y214067-3	M	68	240071	2021/6/15	2022/12/1	None	3	534	4.2×3.5	III	M0	
2-Z184992	M	75	208320	2018/8/6	2024/3/10	2019/2/20	0	2043	5.2×6.1	III	M1	
3-152848B	M	48	165777	2015/4/28	2022/12/1	2018/4/14	3	2774	2.5×2.8	II	None	
4-180385A	M	64	201499	2018/1/16	2024/3/10	None	0	2245	2.3×2	III	M0	
187323	F	61	150871	2014/5/7	2024/3/10	None	0	3595				
9-200087C	F	64	225514	2020/1/2	2022/12/1	2021/9/13	3	1064	2.7×2	III	M0	
9-204437D	M	29	231292	2020/9/22	2024/3/10	None	0	1265	13.9×11.8	III	M0	
2-205879A	M	57	233333	2020/11/24	2024/3/10	None	0	1202	11×8.3	III	M0	
2-138301	F	69	145159	2013/12/12	2016/5/12	2014/3/19	1	882	7.5×6, 6.5×6	III	M0	

Fatty liver	Hepatitis grading	PIVKA-II	T	N	M	TNM stage	BCLC stage	Cirrhosis	AFP(ug/L)	AFP status	CA199(U/ml)	CA199 status	CEA(ug/L)
Heavy	None	1305	T1b	NO	MO	IB	A	None	>1210	1	200.4	1	1.3
Light	Light	None	T1b	NO	MO	IB	A	None	2	0	20	0	2.1
Light	None	None	T2	NO	MO	II	A	None	13.7	0	43.3	1	2.1
Heavy	Moderate	None	T1b	NO	MO	IB	A	None	15.2	0	26.5	0	3.3
Light	Moderate	None	T1b	NO	MO	IB	A	None	6.8	0	7.9	0	2.1
Light	None	None	T1a	NO	MO	IA	0	None	3.8	0	15.7	0	3.9
Light	Light	None	T2	NO	MO	II	A	None	3.5	0	16.9	0	2.3
Moderate	Light	None	T2/T3	NO	MO	II/IIIA	B	None	2.1	0	6.1	0	0.9
Light	Moderate	None	T2	NO	MO	II	B	None	13.5	0	None		None
Moderate	Light	None	T1a	NO	MO	IA	0	None	2.9	0	24.3	0	3.3
Light	None	None	T3	NO	MO	IIIA	B	Mixed nodular cirrhosis	15.3	0	41.2	1	1.6
Light	None	None	T1b	NO	MO	IB	A	None	2.9	0	10.9	0	5.3
Moderate	Light	None	T3	NO	MO	IIIA	B	None	2.8	0	0.6	0	2.2
Light	None	1297	T1b	NO	MO	IB	A	None	188.1	1	6.6	0	1
Light	None	>75000	T2	NO	MO	II	A	None	>1210	1	26.6	0	2.2
Light	Light	None	T2	NO	MO	II	A	None	179.6	1	17.1	0	1.7
Light	None	25	T4	NO	MO	IIIB	C	None	12.3	0	34	0	3.6
Light	Light	16435	T2	NO	MO	II	A	None	3.6	0	8.2	0	1
Light	Light	167	T2	NO	MO	II	A	None	51.7	1	7.9	0	3.4
Light	Light	13609	T3	NO	MO	IIIA	B	None	7.3	0	8.9	0	1.3
Light	None	2153	T2	NO	MO	II	A	None	3.6	0	13.3	0	2.6
Light	Light	162	T1b	NO	MO	IB	A	None	4.7	0	9.9	0	0.8
Light	None	42/173	T1b	NO	MO	IB	A	None	6.9	0	33.8	0	2.5
Light	None	26	T1b	NO	MO	IB	A	None	0.7	0	25.6	0	3.2
Light	Light	7933	T2	NO	MO	II	A	None	3.4	0	17.5	0	1.7
Light	None	36	T1a	NO	MO	IA	0	None	1.7	0	6.8	0	1.4
Light	None	268	T1b	NO	MO	IB	A	None	37.1	1	3.5	0	3.1
Light	None	88	T1b	NO	MO	IB	A	None	1.4	0	21.7	0	15.2
Light	None	30	T1b	NO	MO	IB	A	None	19	0	19.7	0	5.9
Light	None	46664	T1b	NO	MO	IB	A	None	>1210	1	10.4	0	0.8
Light	None	6807	T2	NO	MO	II	A	None	>1210	1	8	0	3
Light	None	26	T1b	NO	MO	IB	A	None	3.9	0	20.4	0	None
Light	Light	None	T2	NO	MO	II	A	None	>1210	1	21.8	0	1.9
Moderate	Light	None	T1b	NO	MO	IB	A	None	4.2	0	<0.600		3.3
Light	None	116	T2	NO	MO	II	B	None	4.5	0	27	0	5.8
Moderate	None	37	T1b	NO	MO	IB	A	None	3.6	0	<2		3.1
Light	None	772	T1b	NO	MO	IB	A	None	2.2	0	11.2	0	1.9
Light	Light	4807	T2	NO	MO	II	A	None	12.9	0	4.4	0	1.1
Light	Light	225	T1b	NO	MO	IB	A	None	>1210	1	49	1	6.5
Light	None	3627	T1b	NO	MO	IB	A	Small nodular cirrhosis	21.8	1	26.2	0	2.7
Light	None	112	T2	NO	MO	II	A	None	>1210	1	16.3	0	2.2
Light	None	61	T1b	NO	MO	IB	A	None	3.2	0	8.4	0	2.4
Light	None	41	T1b	NO	MO	IB	A	None	3.9	0	22.2	0	2.4
Light	None	233	T1b	NO	MO	IB	A	None	2.5	0	38.1	1	None
Light	None	494	T2	NO	MO	II	A	None	2.7	0	23.1	0	0.4
Light	Light	111	T1b	NO	MO	IB	A	None	2	0	7.5	0	4.9
Light	None	27	T1b	NO	MO	IB	A	None	5.1	0	9.3	0	1.9
Light	None	285	T1b	NO	MO	IB	A	Small nodular cirrhosis	30.5	1	33.8	1	3.2
Moderate	None	26	T1b	NO	MO	IB	A	None	1.8	0	12.8	0	1.1
Moderate	None	257	T2	NO	MO	IB	A	Mixed nodular cirrhosis	10	0	12	0	3.1
Light	Light	3609	T3	NO	MO	IIIA	B	Mixed nodular cirrhosis	>1210	1	8.9	0	1.3