

Supplementary Table 4. Summary of included studies on chronic hepatitis B with or without fatty liver

No	Author, year	Country	Study design	Study site	Fatty liver diagnosis method	Follow-up duration, (mean/*median months)	Study patient	Mean age, years	Male, %	Fatty liver, %	Outcomes %
Hepatocellular carcinoma											
1	Chang et al. ²¹ , 2021	South Korea	Retrospective	Single center	TE	36	720	52	58.2	44.9	6.4% over 3 years
2	Li et al. ¹² , 2021	USA & Taiwan	Retrospective	Multicenter	US or CT	131.9	6,786	46.2	63.5	31.6	5.5% over 10 years
3	Mak et al. ¹⁰ , 2021	Hong Kong	Prospective	Single center	TE	46.4*	2,403	55.6	55.3	48.1	2.0% over 21.7 months
4	Con et al. ¹¹ , 2020	Australia	Retrospective	Single center	US	NR	694	44.2	47	25	NR
5	Lim et al. ⁹ , 2020	Singapore	Retrospective	Single center	Liver biopsy	111.1*	289	45.2	72.3	64	9.3% over 111 months
6	Wong et al. ¹⁵ , 2020	Malaysia	Retrospective	Single center	TE	80.0*	614	60	47.4	47.9	0.22 per 100 person-years
7	Choi et al. ⁸ , 2020	Netherlands & Canada	Retrospective	Multicenter	Liver biopsy	120.0*	1,089	38	65.9	32.3	0.29 per 100 person-years
8	Kim et al. ¹³ , 2019	South Korea	Retrospective	Single center	TE	38.6	334	51	62.9	43.7	7.5% over 5 years
9	Peleg et al. ⁷ , 2019	Israel	Retrospective	Single center	US	73.6	524	46.1	60.1	46	3.4% over
10	Lee et al. ⁶ , 2019	Korea	Retrospective	Single center	Liver biopsy	63.6*	321	41	61.1	78.1	3.2% over 5 years
11	Chan et al. ⁵ , 2017	Hong Kong	Retrospective	Single center	Liver biopsy	79.9*	270	43.6	75.2	39.6	3.4% over 70 months
12	Ieluzzi et al. ¹⁸ , 2014	Italy	Prospective	Single center	US & Liver biopsy	276	105	NR	76	3.8	0.33 per 100 person-years
Cirrhosis											
1	Chu et al. ²² , 2013	Taiwan	Retrospective	Single center	US	82.8	155	51.3	70.3	44.5	-
2	Li et al. ¹² , 2021	USA & Taiwan	Retrospective	Multicenter	US or CT	131.9	6,786	46.2	63.5	31.6	Cumulative incidence:
3	Mak et al. ¹⁰ , 2021	Hong Kong	Prospective	Single center	TE	46.4	2,403	55.6	55.3	48.1	-
4	Chen et al. ¹⁶ , 2017	China	Prospective	Single center	Liver biopsy	60	162	33.6	73.4	47.5	4.9% over 5 years
5	Ieluzzi et al. ¹⁸ , 2014	Italy	Prospective	Single center	US & Liver biopsy	276	105	NR	76	3.8	1.56 per 100 person-years
Death											
1	Li et al. ¹² , 2021	USA & Taiwan	Retrospective	Multicenter	US or CT	131.9	6,786	46.2	63.5	31.6	5.2% over 10 years
2	Lim et al. ⁹ , 2020	Singapore	Retrospective	Single center	Liver biopsy	111.1*	289	45.2	72.3	64	3.5% over median 111 months
3	Wong et al. ¹⁵ , 2020	Malaysia	Retrospective	Single center	TE	80.0*	614	60	47.4	47.9	0.87 per 100 person-years
4	Choi et al. ⁸ , 2020	Netherlands & Canada	Retrospective	Multicenter	Liver biopsy	120.0*	1,089	38	65.9	32.3	0.20 per 100 person-years
5	Peleg et al. ⁷ , 2019	Israel	Retrospective	Single center	US	73.6	524	46.1	60.1	46	3.5% over median 70 months
HBsAg seroconversion											
1	Li et al. ¹² , 2021	USA & Taiwan	Retrospective	Multicenter	US or CT	131.9	6,786	46.2	63.5	31.6	10 years
2	Chang et al. ²¹ , 2021	South Korea	Retrospective	Single center	TE	36	720	52	58.2	44.9	10.3% over 3 years

Supplementary Table 4. Continued

No	Author, year	Country	Study design	Study site	Fatty liver diagnosis method	Follow-up duration, (mean/*median months)	Study patient	Mean age, years	Male, %	Fatty liver, %	Outcomes %
3	Chu et al. ²² , 2013	Taiwan	Retrospective	Single center	US	82.8	155	51.3	70.3	44.5	58.1% over
4	Bacakaz et al. ²⁰ , 2021	Turkey	Retrospective	Single center	US	127.2	404	36.2	55.0	40.3	12.8% over
5	Gong et al. ²⁴ , 2015	China	Prospective	Single center	Liver biopsy	12	89	28	73.1	34.8	5.6% over 1 year
6	Yu et al. ²⁵ , 2021	Taiwan	Prospective	Single center	US	72	1,230	45.3	100.0	46.2	0.03 per 100 person-years
7	Mak et al. ¹⁰ , 2021	Hong Kong	Prospective	Single center	TE	120	1,089	54.6	51.3	48.2	6.7% over 3 years

FL, fatty liver; US, ultrasound; TE, transient elastography; CT, computer tomography; HCC, hepatocellular carcinoma; HBsAg, hepatitis B surface antigen.