Supplementary Figure 1

Literature search workflow

Articles identified through PubMed, Medline, Web of Science, Cochrane hand search (n = 1703)

Articles left after duplicates removed (n = 424)

Articles left after the title review (n = 236)

Articles excluded after abstract review (n = 181): Absence of abstract n = 4; Other languages that English n = 6; Reviews n = 119 No outcome of interest n = 13; no HCC n = 39.

Articles left after the abstract review (n = 55)

Articles left after the full text review (n = 6): no full text n = 2; role of probiotics effects on microbiota analyzed n = 7; no NAFLD or NASH induced HCC n = 24; no proper evaluation of gut microbiota alterations n = 12; differences between sex analyzed n = 4.

Articles included in the review (n = 6)