

Intervention	Scenario	1 <sup>st</sup> Drug	2 <sup>nd</sup> Drug						3 <sup>rd</sup> Drug			
			Original LMV	Generic LMV	ADV	TNV	ETV	TVD	Original LMV	Generic LMV	ADV	TNV
1	-	TNV	-	-	-	-	-	-	-	-	-	-
2-3	1	Original LMV	-	-	✓ or	✓	-	-	-	-	-	-
4-5	1	Generic LMV	-	-	✓ or	✓	-	-	-	-	-	-
6-7	1	ADV	✓ or	✓	-	-	-	-	-	-	-	-
8-9	1	TVD	-	-	✓ or	✓	-	-	-	-	-	-
10-11	1	ETV	-	-	✓ or	✓	-	-	-	-	-	-
12-13	1	PEG	✓	-	-	-	-	-	-	-	✓ or	✓
14-15	1	PEG	-	✓	-	-	-	-	-	-	✓ or	✓
16-17	1	PEG	-	-	✓	-	-	-	✓ or	✓	-	-
18-19	1	PEG	-	-	-	-	-	✓	-	-	✓ or	✓
20-21	1	PEG	-	-	-	-	✓	-	-	-	✓ or	✓
22	1	PEG	-	-	-	✓	-	-	-	-	-	-
23-24	2	Original LMV	-	-	✓	-	-	-	-	-	✓ or	✓
25-26	2	Generic LMV	-	-	-	-	-	-	✓	-	✓ or	✓
27-28	2	TVD	-	-	✓ or	✓	-	-	-	-	-	-

Scenario 1=Adding the second drug when drug resistance occurred; Scenario 2= Adding a more potent drug without cross-resistance when the HBV DNA level more than 60 IU/ml at week 24 based on the road map guideline; LMV=Lamivudine; ADV=Adefovir; ETV=Entecavir; TVD=Telbivudine; PEG=Pegylated interferon