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| **Table S3. Clinicopathologic characteristics and chromosomal-arm loss of HCC patients** |
|  | **All** | **1q gain** |  | **8q gain** |  | **20p gain** |  | **20q gain** |  |
|  | **patients** | **No** | **Yes** |  | **No** | **Yes** |  | **No** | **Yes** |  | **No** | **Yes** |  |
| **Variables** | **n=117** | **n=80** | **n=37** | ***P*** | **n=78** | **n=39** | ***P*** | **n=77** | **n=40** | ***P*** | **n=76** | **n=41** | ***P*** |
| **Age** |  |  |  | 0.172  |  |  | 0.233  |  |  | 0.266  |  |  | 0.161  |
| <55 | 58 (50) | 41 (46) | 17 (63) |  | 43 (46) | 15 (62) |  | 40 (46) | 18 (60) |  | 42 (46) | 16 (64) |  |
| ≥55  | 59 (50) | 49 (54) | 10 (37) |  | 50 (54) | 9 (38) |  | 47 (54) | 12 (40) |  | 50 (54) | 9 (36) |  |
| **Gender** |  |  |  | 0.746  |  |  | 0.506  |  |  | 1.000  |  |  | 0.187  |
| Male | 102 (87) | 79 (88) | 23 (85) |  | 82 (88) | 20 (83) |  | 76 (87) | 26 (87) |  | 78 (85) | 24 (96) |  |
| Female | 15 (13) | 11 (12) | 4 (15) |  | 11 (12) | 4 (17) |  | 11 (13) | 4 (13) |  | 14 (15) | 1 (4) |  |
| **AJCC stage** |  |  |  | 0.066  |  |  | 0.002\* |  |  | 0.002\* |  |  | 0.002\* |
| I  | 61 (52) | 50 (56) | 11 (41) |  | 54 (58) | 7 (29) |  | 51 (59) | 10 (33) |  | 55 (60) | 6 (24) |  |
| II  | 44 (38) | 34 (38) | 10 (37) |  | 34 (37) | 10 (42) |  | 32 (37) | 12 (40) |  | 30 (33) | 14 (56) |  |
| III | 12 (10) | 6 (7) | 6 (22) |  | 5 (5) | 7 (29) |  | 4 (5) | 8 (27) |  | 7 (8) | 5 (20) |  |
| **AFP** |  |  |  | 1.000  |  |  | 0.720  |  |  | 0.270  |  |  | 1.000  |
| <20 ng/mL | 55 (47) | 42 (47) | 13 (48) |  | 45 (48) | 10 (42) |  | 44 (51) | 11 (37) |  | 43 (47) | 12 (48) |  |
| ≥20 ng/mL | 62 (53) | 48 (53) | 14 (52) |  | 48 (52) | 14 (58) |  | 43 (49) | 19 (63) |  | 49 (53) | 13 (52) |  |
| **Tumor size** |  |  |  | 0.009\* |  |  | 0.006\* |  |  | <0.001\* |  |  | 0.010\* |
| <3 cm | 30 (26) | 26 (29) | 4 (15) |  | 27 (29) | 3 (12) |  | 27 (31) | 3 (10) |  | 27 (29) | 3 (12) |  |
| 3-5 cm | 50 (43) | 42 (47) | 8 (30) |  | 43 (46) | 7 (29) |  | 43 (49) | 7 (23) |  | 42 (46) | 8 (32) |  |
| ≥5 cm | 37 (32) | 22 (24) | 15 (56) |  | 23 (25) | 14 (58) |  | 17 (20) | 20 (67) |  | 23 (25) | 14 (56) |  |
| **MVI** |  |  |  | 0.936  |  |  | 0.362  |  |  | 0.194  |  |  | 0.296  |
| No | 74 (63) | 58 (64) | 16 (59) |  | 61 (66) | 13 (54) |  | 58 (67) | 16 (53) |  | 60 (65) | 14 (56) |  |
| Yes | 37 (32) | 28 (31) | 9 (33) |  | 27 (29) | 10 (42) |  | 24 (28) | 13 (43) |  | 26 (28) | 11 (44) |  |
| Unknown | 6 (5) | 4 (4) | 2 (7) |  | 5 (5) | 1 (4) |  | 5 (6) | 1 (3) |  | 6 (7) | 0 (0) |  |
| **BCLC stage**  |  |  |  | 1.000  |  |  | 0.067  |  |  | 0.255  |  |  |
| 0/A | 98 (84) | 75 (83) | 23 (85) |  | 81 (87) | 17 (71) |  | 75 (86) | 23 (77) |  | 78 (85) | 20 (80) |  |
| B/C | 19 (16) | 15 (17) | 4 (15) |  | 12 (13) | 7 (29) |  | 12 (14) | 7 (23) |  | 14 (15) | 5 (20) |  |
| **CTP class** |  |  |  | 1.000  |  |  | 1.000  |  |  | 1.000  |  |  | 0.583  |
| A | 112 (96) | 86 (96) | 26 (96) |  | 89 (96) | 23 (96) |  | 83 (95) | 29 (97) |  | 87 (95) | 25 (100) |  |
| B | 5 (4) | 4 (4) | 1 (4) |  | 4 (4) | 1 (4) |  | 4 (5) | 1 (3) |  | 5 (5) | 0 (0) |  |
| **Recurrence** |  |  |  | 0.124  |  |  | 0.027\* |  |  | <0.001\* |  |  | <0.001\* |
| No | 51 (44) | 43 (48) | 8 (30) |  | 46 (49) | 5 (21) |  | 47 (54) | 4 (13) |  | 48 (52) | 3 (12) |  |
| Yes | 64 (55) | 45 (50) | 19 (70) |  | 46 (49) | 18 (75) |  | 40 (46) | 24 (80) |  | 42 (46) | 22 (88) |  |
| Lost | 2 (2) | 2 (2) | 0 (0) |  | 1 (1) | 1 (4) |  | 0 (0) | 2 (7) |  | 2 (2) | 0 (0) |  |
| **Vital status** |  |  |  | 0.021\* |  |  | 0.044\* |  |  | <0.001\* |  |  | 0.008\* |
| Alive | 82 (70) | 68 (76) | 14 (52) |  | 70 (75) | 12 (50) |  | 70 (80) | 12 (40) |  | 70 (76) | 12 (48) |  |
| Deceased | 33 (28) | 20 (22) | 13 (48) |  | 22 (24) | 11 (46) |  | 17 (20) | 16 (53) |  | 20 (22) | 13 (52) |  |
| Lost | 2 (2) | 2 (2) | 0 (0) |  | 1 (1) | 1 (4) |  | 0 (0) | 2 (7) |  | 2 (2) | 0 (0) |  |
| NOTE. Data presented as No. (%)  |