**Supplemental Digital Content 1. Characteristics of Primary Institution Pediatric HCC Cases**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Case Number1 | Age at  Diagnosis (years) | Predisposing  Condition | Pathology  (grade) | Surveillance | Treatment3 | Current Age |
| 1 | 1 | Tyrosinemia | Well | None (found incidentally during transplant) | Liver transplant | 17 |
| 2 | 2 | PFIC Type 4 | Well | AFP every 4-6 months, MRI every 6 months | Liver transplant | 7 |
| 3 | 7 | MPV17-related DNA duplication syndrome | Moderate | None | Liver transplant | 12 |
| 4 | 9 | Cryptogenic cirrhosis | NA | None | Chemotherapy, liver transplant | 24 |
| 5 | 10 | PFIC Type 3 | Poor | AFP every 12 months | None | Died at age 10 |
| 6 | 11 | Hepatitis B | Well | NA2 | Unknown | Died at age 13 |
| 7 | 17 | Aplastic anemia | Well | None | Liver transplant | 21 |
| 8 | 1 | None | NA | NA | Chemotherapy | Died at age 1 |
| 9 | 2 | None | Moderate | NA | None | Died at age 2 |
| 10 | 9 | None | Well | NA | Unknown | Died at age 9 |
| 11 | 9 | None | Poor | NA | None | Died at age 9 |
| 12 | 14 | None | Poor | NA | Liver transplant | 18 |
| 13 | 12 | None | Fibrolamellar | NA | None | Died at age 12 |
| 14 | 14 | None | Fibrolamellar | NA | GTR | 20 |
| 15 | 15 | None | Fibrolamellar | NA | Incomplete resection | Died at age 15 |
| 16 | 17 | None | Fibrolamellar | NA | GTR | 23 |

1Patient cases ordered by predisposing or no predisposing condition, with patients with fibrolamellar HCC additionally separated. Within three subgroups, patients sorted by age at diagnosis.

2Case 6 did not receive surveillance for HCC development as Hepatitis B was diagnosed based on staining of non-tumor liver collected during biopsy at time of HCC diagnosis**.**

3GTR = gross total resection