Supplementary Tables

Supplementary Table S1. Thyroid tissues investigated in this study; F, female, M, male, CVD, cardiovascular disorder, CCB, calcium channel blockers, ACEi/ARB, angiotensin converting enzyme inhibitors / angiotensin II receptor blockers, Fur., furosemide, +/-, yes/no.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **No.** | **Tissue** | **Tumour Stage** | **Age** | **Sex** | **CVD** | **CCB** | **ACEi/ARB** |
| 1 | FTC | T4N0M1 | 61 | F | - | - | - |
| 2 | FTC | T4N1M0 | 86 | F | + | - | - |
| 3 | FTC | T2N0M0 | 68 | F | + | + |  |
| 4 | FTC | T3N1M1 | 72 | M | - | - | - |
| 5 | FTC | T3N0M0 | 13 | M | - |  |  |
| 6 | FTC | T4N0M0 | 66 | M | - | - | + |
| 7 | FTC | T4N0M0 | 36 | F | - | - | - |
| 8 | FTC | T4N0M0 | 61 | M | - | - | - |
| 9 | FTC | T4N1M1 | 65 | F | - | - | - |
| 10 | FTC | T4N0M1 | 82 | F | - | - | - |
| 11 | PTC | T2N0M0 | 17 | F | - | - | - |
| 12 | PTC | T4N1M0 | 74 | F | + | - | + |
| 13 | PTC | T4N0M0 | 57 | F | - | - | - |
| 14 | PTC | T2N1M0 | 36 | M | - | - | - |
| 15 | PTC | T1N1M0 | 25 | F | - | - | - |
| 16 | PTC | T2N1M0 | 64 | F | - | - | + |
| 17 | PTC | T1N1M0 | 11 | F | - | - | - |
| 18 | PTC | T2N1M0 | 66 | M | - | - | - |
| 19 | PTC | T4N1M1 | 15 | F | - | - | - |
| 20 | PTC | T4N1M0 | 67 | M | + | + | - |
| 21 | PTC | T3N1M1 | 77 | F | - | - | - |
| 22 | PTC | T1N0M0 | 60 | F | - | - | - |
| 23 | PTC | T4N1M0 | 12 | F | - | - | - |
| 24 | PTC | T4N1M0 | 51 | F | - | - | - |
| 25 | UTC | T4N0M1 | 76 | F | + | Fur. | - |
| 26 | UTC | T3N0M0 | 52 | M | - | - | - |
| 27 | UTC | T4N0M0 | 67 | M | + | + | - |
| 28 | UTC | T3N1M1 | 63 | M | + | + | - |
| 29 | UTC | T4N1M1 | 79 | F | + | + | - |
| 30 | UTC | T3N0M1 | 28 | M | - | - | - |
| 31 | UTC | T3N1M1 | 53 | M | - | - | - |
| 32 | UTC | T4N1M0 | 71 | F | - | - | + |
| 33 | UTC | T3N1M0 | 57 | M | + | + | - |
| 34 | UTC | T4N1M1 | 62 | M | - | - | - |
| 35 | UTC | T4N1M1 | 58 | F | - | - | - |
| 36 | Goiter |  | 42 | F | - | - | - |
| 37 | Goiter |  | 69 | M | - | - | - |
| 38 | Goiter |  | 69 | F | - | - | - |
| 39 | Goiter |  | 71 | F | + | + | - |
| 40 | Goiter |  | 53 | M | - | - | - |
| 41 | Goiter |  | 46 | F | - | - | - |
| 42 | Goiter |  | 56 | F | - | - | - |
| 43 | Goiter |  | 54 | F | - | - | - |
| 44 | Goiter |  | 36 | F | - | - | - |
| 45 | Goiter |  | 55 | F | - | - | - |
| 46 | Goiter |  | 59 | M | - | - | - |
| 47 | Goiter |  | 47 | M | - | - | - |
| 48 | Goiter |  | 56 | F | - | - | - |
| 49 | Goiter |  | 41 | F | - | - | - |
| 50 | Adenoma |  | 59 | F | - | - | + |
| 51 | Adenoma |  | 42 | F | - | - | - |
| 52 | Adenoma |  | 69 | F | - | - | - |
| 53 | Adenoma |  | 45 | M | - | - | - |
| 54 | Adenoma |  | 38 | F | - | - | - |
| 55 | Adenoma |  | 52 | M | - | - | - |
| 56 | Adenoma |  | 43 | F | + | + | - |
| 57 | Adenoma |  | 58 | M | + | + | - |
| 58 | Adenoma |  | 33 | M | - | - | - |
| 59 | Adenoma |  | 54 | M | - | - | + |
| 60 | Adenoma |  | 53 | F | - | - | - |
| 61 | Adenoma |  | 68 | M | + | + | - |

**Supplementary Table 2.** Primers for qPCR

|  |  |  |  |
| --- | --- | --- | --- |
| **Gene** | **Amplicon (bp)** | **Annealing (°C)** | **Primer Sequence** |
| 18S S | 151 | 60 | GTA ACCCGTTGA ACCCCATT |
| 18S AS | 151 | 60 | CCATCC AATCGGTAGTAGCG |
| ACE S | 111 | 60 | GTGTGGAACGAGTATGCCGA |
| ACE AS | 111 | 60 | CTTCAGGGTGTGGTTGGCTA |
| ACE2 S | 108 | 60 | CATTGGAGCAAGTGTTGGATCTT |
| ACE2 AS | 108 | 60 | GAGCTAATGCATGCCATTCTCA |