Table S2. Linear regression model for the choroidal thickness of each refractive status groups

|                  | Average ChT | Center foveal ChT | Parafoveal ChT | Perifoveal ChT |
|------------------|-------------|------------------|----------------|---------------|
|                  | β           | Standard Error   | P Value        | β             | Standard Error   | P Value        | β             | Standard Error   | P Value        |
| PM, n=338        |             |                  |                |               |                  |                |               |                  |                |
| Constant         | 197.162     | 35.885           | <0.001         | 176.022       | 38.215           | <0.001         | 200.398       | 36.747           | <0.001         |
| Gender           | -3.628      | 4.098            | 0.377          | -7.126        | 4.366            | 0.104          | -5.285        | 4.2              | 0.209          |
| AL               | -4.243      | 1.144            | **<0.001**     | -3.568        | 1.219            | **0.004**      | -4.401        | 1.171            | **<0.001**     |
| Age-1            | 1.00 (reference) | 1.00 (reference) | 1.00 (reference) | 1.00 (reference) | 1.00 (reference) | 1.00 (reference) | 1.00 (reference) | 1.00 (reference) | 1.00 (reference) |
| Age-2            | -12.352     | 10.152           | 0.225          | -14.711       | 10.839           | 0.176          | -14.954       | 10.412           | 0.152          |
| Age-3            | -27.81      | 10.42            | **0.008**      | -29.755       | 11.12            | **0.008**      | -29.164       | 10.687           | **0.007**      |
| IOP              | 0.39        | 0.61             | 0.523          | 0.778         | 0.651            | 0.233          | 0.612         | 0.626            | 0.328          |
| BMI              | 0.139       | 0.482            | 0.772          | -0.005        | 0.514            | 0.993          | 0.099         | 0.494            | 0.842          |
| HM, n=662        |             |                  |                |               |                  |                |               |                  |                |
| Constant         | 773.743     | 49.975           | <0.001         | 865.187       | 57.675           | <0.001         | 833.651       | 54.248           | <0.001         |
| Gender           | -21.85      | 4.099            | **<0.001**     | -24.615       | 4.731            | **<0.001**     | -22.575       | 4.45             | **<0.001**     |
| AL               | -20.612     | 1.697            | **<0.001**     | -23.921       | 1.958            | **<0.001**     | -22.87        | 1.842            | **<0.001**     |
| Age-1            | 1.00 (reference) | 1.00 (reference) | 1.00 (reference) | 1.00 (reference) | 1.00 (reference) | 1.00 (reference) | 1.00 (reference) | 1.00 (reference) | 1.00 (reference) |
| Age-2            | -58.068     | 4.868            | **<0.001**     | -56.994       | 5.618            | **<0.001**     | -58.46        | 5.284            | **<0.001**     |
|          | Age-3 | IOP  | BMI   | Gender   | AL    | Age-2 | Age-3 | IOP  | BMI   |
|----------|-------|------|-------|----------|-------|-------|-------|------|-------|
|          | 91.3  | 6.201| <0.001| 91.328   | IOP   | 6.56  | 0.18  | 1.162| 0.757 |
|          | 0.877 | 0.656| 0.125 | 1.028    | 0.15  | 0.843 | 0.641 | 0.189| 0.610 |
| LM, n=610|       |      |       |          |       |       |       |      |       |
| Constant | 763.89| 62.41| 72.999| 851.76   | 69.03 | 730.97| 60.65 | 0.001|       |
| Gender   | -23.98| 5.489| 4.62  | -26.74   | 6.07  | -22.86| 5.33  | 0.001|       |
| AL       | -19.38| 2.171| 2.54  | -22.31   | 2.402| -18.29| 2.11  | 0.001|       |
| Age-1    | 1.00  | 1.00 | 1.00  | 1.00     | 1.00  | 1.00  | 1.00  | 1.00 | 1.00  |
| Age-2    | -59.36| 6.527| 7.63  | -61.82   | 7.219| -58.27| 6.344| 0.001|       |
| Age-3    | -126.41| 8.106| 9.481 | -128.21  | 8.966| -125.79| 7.878| 0.001|       |
| IOP      | -0.22 | 0.874| 0.801 | -0.253   | 0.967| -0.202| 0.849| 0.812|       |
| BMI      | -0.527| 0.708| 0.457 | -0.622   | 0.783| -0.474| 0.688| 0.491|       |

Non-M, n=516

|          | Constant | Gender | AL     | Age-1 | Age-2 | Age-3 | IOP   | BMI   |
|----------|----------|--------|--------|-------|-------|-------|-------|-------|
|          | 614.351 | 68.535| <0.001 | 104.029| 96.799| 648.106| 83.728| 0.001|
| Gender   | -23.529 | 5.277  | <0.001 | 23.633| 5.903 | -22.968| 5.106| 0.001|
| AL       | -12.497 | 3.41   | <0.001 | -18.795| 4.1   | -13.948| 3.3 | 0.001|
| Age-1    | 1.00    | 1.00   | 1.00   | 1.00  | 1.00  | 1.00  | 1.00  |       |
| Age-2    | -60.892| 7.997  | <0.001 | -49.93 | 9.613 | -61.558| 8.945| 0.001|
| Age-3    | -137.793| 8.533 | <0.001 | -137.087| 10.258| -146.51| 9.545| 0.001|
| IOP      | -0.198  | 0.835  | 0.812  | -0.206 | 1.004 | -0.118| 0.934| 0.9   |
| BMI      | -0.687  | 0.747  | 0.359  | -0.323 | 0.898 | -0.415| 0.836| 0.62  |
PM, pathologic myopia; HM, high myopia without pathologic myopia; LM, low myopia; Non-M, non-myopia; ChT, choroidal thickness; Age1, age ≥ 18 and ≤ 50 years; Age2, age > 50 and ≤ 70 years; Age3, age > 70 years.