**Supplemental table 4. Relationship between any oral health problem, IOP, mRNFL, and mGCIPL among lowest quartile versus highest quartile genetic risk subjects (n=17,586 for IOP, n=8,116 for mRNFL, n=8,102for mGCIPL) in the UK Biobank**

|  |  |  |
| --- | --- | --- |
|  | **Estimate, mmHg or microns,**  **(95% confidence interval)** | ***P-value*** |
| IOP | -0.04 (-0.17, 0.10) | 0.60 |
| IOP\_PRS lowest quartile- versus highest quartile-risk \* Any dental problem | -0.10 (-0.29, 0.09) | 0.32^ |
|  |  |  |
| mRNFL | -0.21 (-0.43, 0.02) | 0.02 |
| MTAG\_PRS low- versus high-risk \* Any dental problem | 0.16 (-0.18, 0.50) | 0.35^ |
|  |  |  |
| mGCIPL | -0.29 (-0.60, 0.009) | 0.06 |
| MTAG\_PRS lowest quartile-versus highest quartile-risk | 0.48 (0.03, 0.93) | 0.04^ |

IOP\_PRS = intraocular pressure polygenic risk score; MTAG\_PRS = multitrait glaucoma polygenic risk score; mRNFL = macula region retinal nerve fiber layer; mGCIPL = macula region ganglion cell inner plexiform layer

^these p-values represent p-for-interactions