# Minutes of OHDSI workgroup in Population Level Estimation

May 17, 2017

Present: Chan YouSeng, Kim Dyeop, Hojun Park, Jaehyeong Cho, Sungjae Jung, Others from Ajou, Nicole Pratt

Chan present his work on “Comparison of combination treatment in hypertension: the result and the questions”, which he will be presenting at the next European Society of Cardiology congress.

Chan used a 1 million sample of the Korean National Health Insurance System database (2002-2013), which has been converted to the OMOP CDM v5.

Inclusion criteria:

* >=20 yo
* initiating dual anti-hypertensive treatment
* No other drugs in other classes used in year before
* Excluding patients using other anti-HT drugs in 180 days after initiation

Chan is including 39 negative controls.

PS matching: 1:4 max ratio.

Window period: 180 days after initiation of drug

Sensitivity analysis: 30 days + per protocol

Chan notes that bias appears to be a function of the matching ratio. Martijn points out that a conditional outcome model should be used when performing variable ratio matching.