**Evidence-Based Medicine**

Practical Session 3: Discuss articles mentioning epidemiological terminology

[zekeriya.akturk@gmail.com](mailto:zekeriya.akturk@gmail.com)

Instruction:

1. Work individually
2. Find articles including the epidemiological terminology presented in the theory session T3. Review the use of the terminology (15 min).
3. Terms to discuss:
   1. Study designs: cross-sectional, repeated cross-sectional, cohort, case-control, randomized controlled trial
   2. incidence, prevalence, odds ratio, relative risk, absolute risk reduction, relative risk reduction, number needed to treat
   3. sensitivity, specificity, positive predictive value, negative predictive value, likelihood ratio
4. You may consider reviewing the following articles:
   1. Sean G. Byars, Stephen C. Stearns, and Jacobus J. Boomsma. Association of Long-Term Risk of Respiratory, Allergic, and Infectious Diseases With Removal of Adenoids and Tonsils in Childhood. JAMA Otolaryngol Head Neck Surg. 2018 Jul; 144(7): 594–603. PMCID: PMC6145787 Published online 2018 Jun 7. PMID: 29879264 doi: 10.1001/jamaoto.2018.0614: 10.1001/jamaoto.2018.0614 <https://pubmed.ncbi.nlm.nih.gov/29879264/>
   2. van der Leeuw J, Oemrawsingh RM, van der Graaf Y, Brugts JJ, Deckers JW, Bertrand M, Fox K, Ferrari R, Remme WJ, Simoons ML, Boersma E, Visseren FL. Prediction of absolute risk reduction of cardiovascular events with perindopril for individual patients with stable coronary artery disease - results from EUROPA. Int J Cardiol. 2015 Mar 1;182:194-9. doi: 10.1016/j.ijcard.2014.12.046. Epub 2014 Dec 23. PMID: 25577762. <https://pubmed.ncbi.nlm.nih.gov/25577762/>
5. Discuss the reviewed terminology in the large group (25 min)