

Curriculum Vitae

Personal information **Aysun Cetinyurek Yavuz**

Work experience

Employer: Radboud University Medical Center
Start date: 042023
End date: present
Position: Senior Researcher
Activities: Consultancy to Cardiovascular Disease Center, teaching to master students, being involved in research projects.

Employer: CBG-MEB
Start date: 042023
End date: present
Position: Methodology Assessor
Activities: Scientific advice, assessment activities in FT2 group

Employer: Danone Nutricia Research
Start date: 012016
End date: 032023
Position: Senior Statistician
Activities: Clinical Trial Lead Statistician

Employer: Danone Nutricia Research
Start date: 032011
End date: 012016
Position: Statistician
Activities: Clinical Trial Statistician

Employer: Medtronic
Start date: 012013
End date: 052013
Position: Statistical Programmer
Activities: Programming of analysis on a registry data on pacemakers

Education and training

Start date: 112007
End date: 012017
Degree: PhD in Mathematics with orientation in Statistics.
Institution: University of Liege
Subject: Bayesian semiparametric analysis of interval-censored data
Country: Belgium

Start date: 092003
End date: 122006
Degree: MSc Statistics.
Institution: METU
Subject: Robust Control Charts
Country: Turkey

Start date: 092003
End date: 122006
Degree: MSc Biostatistics.
Institution: Ankara University
Subject: Analysis of Bayesian models used for case-control studies
Country: Turkey

Start date: 091998
End date: 062003
Degree: BSc Statistics.
Institution: METU
Subject: Statistics
Country: Turkey

Additional information

Publications

1. Cetinyurek Yavuz A, Fayyad MBN, Jiang C, Brion Bouvier F, Beji C, Zebachi S, Hayek GY, Amzal B, Porcher R, Tanniou J, Roes K, Rodwell L. On the Concepts, Methods, and Use of "Probability of Success" for Drug Development Decision-Making: A Scoping Review. *Clin Pharmacol Ther.* 2025 Apr;117(4):967-977. doi: 10.1002/cpt.3571. Epub 2025 Jan 24. PMID: 39856804; PMCID: PMC11924160.
2. Jiang C, Beji C, Zebachi S, Hayek GY, Cetinyurek-Yavuz A, Fayyad MBN, Rodwell L, Roes KCB, Amzal B, Gerlinger C, Porcher R, Tanniou J. Decision-Making Criteria and Methods for Initiating Late-Stage Clinical Trials in Drug Development From a Multi-Stakeholder Perspective: A Scoping Review. *Clin Pharmacol Ther.* 2025 Apr;117(4):978-988. doi: 10.1002/cpt.3566. Epub 2025 Feb 19. PMID: 39973085; PMCID: PMC11924168.
3. Versteeg GAA, Rooijackers MJP, Hemelrijk KI, Vlaar PJ, Overduin DC, van Wely MH, Aarts HM, van Ginkel DJ, van Nunen LX, van Geuns RJ, van Garsse LAFM, Geuzebroek GSC, Verkroost MWA, Cetinyurek-Yavuz A, Heijmen RH, Ten Berg JM, Tonino PAL, Delewi R, van Royen N. Upper- vs Lower-Extremity Secondary Access During Transcatheter Aortic Valve Implantation: A Randomized Clinical Trial. *JAMA Netw Open.* 2024 Oct 1;7(10):e2438578. doi: 10.1001/jamanetworkopen.2024.38578. PMID: 39412806; PMCID: PMC11581581.
4. Cetinyurek Yavuz A, Lambert P. EM algorithm for a flexible shared frailty model from clustered interval censored data (in preparation).
5. Crooijmans C, Jansen TPJ, Meeder JG, Woudstra J, Meuwissen M, De Vos AMJ, Paradies V, Olde Bijvank EGM, Winkler P, Vos NS, Arkenbout K, Woudstra P, Stoel MG, Van de Hoef TP, Van den Oord SCH, Widdershoven JWMG, Remkes W, Cetinyurek-Yavuz A, Den Ruijter HM, Onland-Moret NC, Boersma E, Beijk MAM, Appelman Y, Piek JJ, Konst RE, Maas AHM, Van Royen N, Dimitriu-Leen AC, Elias-Smale SE, Damman P; NL-CFT Investigators. Safety, Feasibility, and Diagnostic Yield of Invasive Coronary Function Testing: Netherlands Registry of Invasive Coronary Vasomotor Function Testing. *JAMA Cardiol.* 2025 Apr 1;10(4):384-390. doi: 10.1001/jamacardio.2024.5670. Erratum in: *JAMA Cardiol.* 2025 Apr 1;10(4):402. doi: 10.1001/jamacardio.2025.0703. PMID: 39969865; PMCID: PMC11840684.
6. Mensink FB, Los J, Oemrawsingh RM, von Birgelen C, Ijsselmuiden A, Meuwissen M, Cheng JM, van Wijk DF, Smits PC, Paradies V, van der Heijden DJ, Rai H, Ten Cate TJ, Camaro C,

Damman P, van Nunen LX, Dimitriu-Leen AC, van Wely MH, Cetinyurek-Yavuz A, Byrne RA, van Royen N, van Geuns RM. Functional and morphological improvement of significant non-culprit coronary artery stenosis by LDL-C reduction with a PCSK9 antibody: Rationale and design of the randomized FITTER trial. *Heliyon*. 2024 Sep 18;10(19):e38077. doi: 10.1016/j.heliyon.2024.e38077. PMID: 39430462; PMCID: PMC11489145.

7. Wojzischke J, van Wijngaarden J, van den Berg C, Cetinyurek-Yavuz A, Diekmann R, Luiking Y, Bauer J (2020). Nutritional status and functionality in geriatric rehabilitation patients: A systematic review and meta-analysis, *European Geriatric Medicine*.
8. van Wijngaarden JP, Wojzischke J, van den Berg C, Cetinyurek-Yavuz A, Diekmann R, Luiking YC, Bauer JM (2020). Effects of Nutritional Interventions on Nutritional and Functional Outcomes in Geriatric Rehabilitation Patients: A Systematic Review and Meta-Analysis, *J Am Med Dir Assoc*. S1525-8610(20)30330-3. doi:10.1016/j.jamda.2020.04.012
9. Wopereis H, van Ampting MTJ, Cetinyurek Yavuz A, Slump R, Candy DCA, Peroni D, Vandenplas Y, Fox AT, Shah N, Harthoorn LF, Michaelis LJ, Knol J, West CE - on behalf of the ASSIGN study group (2019). A specific synbiotic-containing amino-acid based formula restores gut microbiota in non-IgE mediated cows Milk allergic infants - a randomized controlled trial. *Clinical and Translational Allergy*.
10. Montoya Parra GA, Singh RH, Cetinyurek Yavuz A, Kuhn M, MacDonald A. (2018). Status of nutrients important in brain function in phenylketonuria: a systematic review and meta-analysis. *Orphanet Journal of Rare Diseases*, 13:101. 2
11. Rijpmma A, van der Graaf M, Lansbergen M, Meulenbroek O, Cetinyurek Yavuz A, Sijben JW, Heerschap A (2017). The medical food Souvenaid affects brain phospholipid metabolism in mild Alzheimer's disease: results from a randomized controlled trial. *Alzheimer's Research and Therapy*, X(X):XX-XX. Link: <http://rdcu.be/uvic>
12. de Wilde MC, Vellas B, Girault E, Cetinyurek Yavuz A, Sijben JW (2017). Lower brain and blood nutrient status in Alzheimer's disease: Results from meta-analyses. *Alzheimer's and Dementia: Translational Research and Clinical Interventions*, 3(3):416-431.
13. Acaroglu E, Guler UO, Cetinyurek-Yavuz A, Pehlivan S, Yavuz Y, Domingo-Sabat M, Pellise F, Sanchez Perez Grueso F, Alanay A, Kleinstuck F, Obeid I, European Spine Study Group (2017). Decision analysis to identify the ideal treatment for Adult Spinal Deformity: What is the impact of complications on patient outcomes?, *Acta Orthopaedica et Traumatologica Turcica*, 51(3): 181-190.
14. Cetinyurek Yavuz A, Lambert P (2016). Semiparametric frailty model for clustered intervalcensored data. *Statistical Modelling: An international journal*, 16(5):360-391.
15. Acaroglu E, Cetinyurek-Yavuz A, Guler UO, Pehlivan S, Yavuz Y, Domingo-Sabat M, Pellise F, Sanchez Perez Grueso F, Alanay A, Kleinstuck F, Obeid I, European Spine Study Group (2016). Decision analysis to identify the ideal treatment for adult spinal deformity: Is surgery better than non-surgical treatment in improving health-related quality of life and decreasing the disease burden?, *European Spine Journal*, 25 (8):2390-2400.
16. Rocio Martin, Hiroshi Makino, Kaouther Ben-Amor, Mieke Roelofs, Eiji Ishikawa, Hiroyuki Kubota, Sophie Swinkels, Aysun Cetinyurek-Yavuz, Takafumi Sakai, Kenji Oishi, Ryuichiro Tanaka, Akira Kushi, Jan Knol (2016). Early-life events, including mode of delivery and type of feeding, siblings and gender, shape the developing gut microbiota. *PLoS ONE*, 11(6):e0158498.
17. Cetinyurek Yavuz A, Lambert P (2011). Smooth estimation of survival functions and hazard ratios from interval-censored data using Bayesian penalized B-splines, *Statistics in Medicine*, 30 (1), 75-90.
18. Tug A, Erkol Z, Cetinyurek A, Alakoc YD, Elma C, Buken B, Erkol H, 2010. Allele distribution data for 16 short tandem repeat loci in Bolu, *Turkish Journal of Medical Science*, 40 (4):659-664.
19. Soylemezoglu O, Ozkaya O, Ozen S, Bakkaloglu S, Dusunsel R, Peru H, Cetinyurek A, Yildiz N, Donmez O, Buyan N, Mir S, Arisoy N, Gur-Guven A, Alpay H, Ekim M, Aksu N et al., 2009. Henoch-Schlein nephritis: a nationwide study. *Nephron. Clinical practice*, 112 (3): 199-204.
20. Genc Y, Gulsahi K, Gulsahi A, Yavuz Y, Cetinyurek A, Ungor M, Col M, 2008. Assessment of possible risk indicators for apical periodontitis in root-filled teeth in an adult Turkish population. *Oral surgery, oral medicine, oral pathology, oral radiology, and endodontics*, 106 (4):72-7.
21. Soylemezoglu O, Peru H, Gonen S, Cetinyurek A, Buyan N, 2008. HLA-DRB1 Alleles and Henoch-Schlein Purpura: Susceptibility and Severity of Disease. *J Rheumatol*, 35 (6):1165-8.
22. Soylemezoglu O, Peru H, Gonen S, Cetinyurek A, Ozkaya O, Bakkaloglu S, Buyan N, Hasanoglu E, 2008. CTLA-4 +49 A/G genotype and HLA-DRB1 polymorphisms in Turkish patients with Henoch-Schlein purpura. *Pediatr Nephrol*, 23 (8):1239-44.
23. Akbulut Y, Tatar M, Cetinyurek A, Tatar F, 2008. Non-urgent use of the emergency department: A quantitative evaluation from a patient perspective. *Journal of Management and Marketing in Healthcare*, 1(4): 1-11.
24. Peru H, Soylemezoglu O, Gonen S, Cetinyurek A, Bakkaloglu SA, Buyan N, Hasanoglu E, 2008. HLA class 1 Associations in Henoch Schonlein Purpura: Increased and Decreased frequencies. *Clinical Rheumatology*, 27 (1): 5-10.
25. Erkol Z, Tug A, Alakoc YD, Elma C, Buken B, Cetinyurek A, Erkol H, 2007. STR data for the AmpFISTR identifier loci from an old settlement in northwestern Turkey, *Forensic Science International*, 73 (2-3):238-40. 3
26. Celik G, Sen E, Ulger AF, Ozdemir-Kumbasar O, Alper D, Elhan AH, Tutkak H and Cetinyurek A, 2004. Human Leukocyte Antigens A and B in Turkish Patients With Sarcoidosis. *Arch Bronconeumol*, 40 (10): 449-52.
- 27.

Projects

Employer: Freelancer (Clinist-EU) funded by European Spine Society

Start date: 102013

End date: 102014

Position: Principal Scientist

Activities: Planning, preparation and analysis of data using decision tree approach to find the ideal therapy for Adult spinal deformity.

Memberships

PSI

Special Interest Group Small populations

Other Relevant Information