Most cited publications Martina C Cornel *(Web of Science Core Collection, last update 17-04-2019)*

1. Van El CG, **Cornel MC**, Borry P, Hastings R, Fellmann F, Hodgson S, Howard HC, Cambon-Thomsen A, Knoppers B, Meijers-Heijboer H, Scheffer H, Tranebjaerg L, Dondorp W, de Wert GMWR, for the Public and Professional Policy Committee. Whole genome sequencing in health care. Recommendations of the European Society of Human Genetics. Eur J Hum Genet. 2013;21:580–584 and 2013;21 Suppl 1:S1-5. (110 + 74=184 times cited)
2. Calzolari E, Bianchi F, Dolk H, Milan M, Lechat M, Leurquin P, Goyens S, Astolfi G, Volpato S, Ayme S, Calabro A, Clementi M, Tenconi R, **Cornel M**, et al. Omphalocele and gastroschisis in Europe: a survey of 3 million births 1980-1990. EUROCAT Working Group. Am J Med Genet. 1995;58:187-94. (135 times cited).
3. Borry P, Evers-Kiebooms G, **Cornel MC**, Clarke A, Dierickx K; Public and Professional Policy Committee (PPPC) of the European Society of Human Genetics (ESHG). Genetic testing in asymptomatic minors. Background considerations towards ESHG Recommendations. Eur J Hum Genet. 2009;17(6):711-9. (123 times cited)
4. Arpino C, Brescianini S, Robert E, Castilla EE, Cocchi G, **Cornel MC**, de Vigan C, Lancaster PAL, Merlob P, Sumiyoshi Y, Zampino G, Renzi C, Rosano A, Mastroiacovo P. Teratogenic effects of antiepileptic drugs: Use of an international database on malformations and drug exposure (MADRE). Epilepsia 2000; 41(11): 1436-1443. (111 times cited)
5. Lindhout D, Omtzigt JGC, **Cornel M**. Spectrum of neural-tube defects in 34 infants prenatally exposed to antiepileptic drugs. Neurology 1992;42(4):111-118 Suppl. (100 times cited)
6. Dondorp W, De Wert G, Bombard Y, Bianchi DW, Bergmann C, Borry P, Chitty LS, Fellmann F, Forzano F, Hall A, Henneman L, Howard HC, Lucassen A, Ormond K, Peterlin B, Radojkovic D, Rogowski W, Soller M, Tibben A, Tranebjærg L, Van El CG, **Cornel MC**, on behalf of the European Society of Human Genetics (ESHG) and the American Society of Human Genetics (ASHG). Non-invasive prenatal testing for aneuploidy and beyond: challenges of responsible innovation in prenatal screening. Eur J Hum Genet 2015;23:1438–50. (86 times cited)
7. Soini S, Ibarreta D, Anastasiadou V, Aymé S, Braga S, **Cornel M,** Coviello DA, Evers-Kiebooms G, Geraedts J, Gianaroli L, Harper J, Kosztolanyi G, Lundin K, Rodrigues-Cerezo E, Sermon K, Sequeiros J, Tranebjaerg L, Kaariainen H. The interface between assisted reproductive technologies and genetics: technical, social, ethical and legal issues. Eur J Hum Genet 2006;14(5):588-645. (84 times cited)
8. Loeber JG, Burgard P, **Cornel MC**, Rigter T, Weinreich SS, Rupp K, Hoffmann GF, Vittozzi L. Newborn screening programmes in Europe; arguments and efforts regarding harmonization. Part 1. From blood spot to screening result. J Inherit Metab Dis. 2012;35:603-11. (74 times cited)
9. Sijmons RH, Boonstra AE, Reefhuis J, Hordijk-Hos JM, De Walle HEK, Oosterwijk JC, **Cornel MC**. Accuracy of family history of cancer: clinical genetic implications. Eur J Hum Genet 2000; 8: 181-186. (72 times cited)
10. Grosse SD, Rogowski WH, Ross LF, **Cornel MC**, Dondorp WJ, Khoury MJ. Population Screening for Genetic Disorders in the 21st Century: Evidence, Economics, and Ethics. Public Health Genomics 2010;13:106–115. (65 times cited)
11. Harper JC, Geraedts J, Borry P, **Cornel** MC, Dondorp W, Gianaroli L, Harton G, Milachich T, Kääriäinen H, Liebaers I, Morris M, Sequeiros J, Sermon K, Shenfield F, Skirton H, Soini S, Spits C, Veiga A, Vermeesch JR, Viville S, de Wert G, Macek M Jr; ESHG.; ESHRE.; EuroGentest2.. Current issues in medically assisted reproduction and genetics in Europe: research, clinical practice, ethics, legal issues and policy. European Society of Human Genetics and European Society of Human Reproduction and Embryology. Eur J Hum Genet. 2013;21 Suppl 2:S1-21. and Human Reproduction 2014;8:1603-U24 (31 +30=60 times cited)
12. Houwink EJ, van Luijk SJ, Henneman L, van der Vleuten C, Dinant GJ, **Cornel MC**. Genetic educational needs and role of genetics in primary care: a focus group study with multiple perspectives. BMC Family Practice 2011, 12:5. (58 times cited)

13. **Cornel MC**, Erickson JD. Comparison of national policies on periconceptional use of folic acid to prevent spina bifida and anencephaly (SBA). Teratology 1997;55:134-7. (56 times cited)
14. De Jong-van den Berg LTW, Feenstra N, Toft Sorensen H, **Cornel MC**, and the EuroMAP Group. Improvement of drug exposure data in a registration of congenital anomalies. Pilot-study: Pharmacist and mother as sources for drug exposure data during pregnancy. Teratol 1999;60:33-6. (52 times cited)
15. Dolk H, De Wals P, Gillerot Y, Lechat MF, Ayme S, **Cornel MC**, Cuschieri A, Garne E, Goujard J, Laurence KM, et al. Heterogeneity of neural tube defects in Europe: The significance of site of defect and presence of other major anomalies in relation to geographic differences in prevalence. Teratol 1991;44:547-59. (50 times cited)
16. Henneman L, Borry P, Chokoshvili D, **Cornel MC**, van El CG, Forzano F, Hall A, Howard HC, Janssens S, Kayserili H, Lakeman P, Lucassen A, Metcalfe SA, Vidmar L, de Wert G, Dondorp WJ, Peterlin B. Responsible implementation of expanded carrier screening. Eur J Hum Genet. 2016;24:e1-e12. (50 timed cited)
17. Becker F, van El CG, Ibarreta D, Zika E, Hogarth S, Borry P, Cambon-Thomsen A, Cassiman JJ, Evers-Kiebooms G, Hodgson S, Janssens AC, Kaariainen H, Krawczak M, Kristoffersson U, Lubinski J, Patch C, Penchaszadeh VB, Read A, Rogowski W, Sequeiros J, Tranebjaerg L, van Langen IM, Wallace H, Zimmern R, Schmidtke J, **Cornel MC**. Genetic testing and common disorders in a public health framework: how to assess relevance and possibilities Background Document to the ESHG recommendations on genetic testing and common disorders. Eur J Hum Genet. 2011;19 Suppl 1:S6-44. (48 times cited)
18. Borry P, Henneman L, Lakeman P, ten Kate LP, **Cornel MC**, Howard HC. Preconceptional genetic carrier testing and the commercial offer directly-to-consumers. Hum Reprod. 2011;26:972-7. (48 times cited)
19. Burgard P, Rupp K, Lindner M, Haege G, Rigter T, Weinreich SS, Loeber JG, Taruscio D, Vittozzi L, **Cornel MC**, Hoffmann GF. Newborn screening programmes in Europe; arguments and efforts regarding harmonization. Part 2. From screening laboratory results to treatment, follow-up and quality assurance. J Inherit Metab Dis. 2012;35:613-25. (43 times cited)
20. Baars MJH, Scherpbier AJJA, Schuwirth LW, Henneman L, Beemer FA, Cobben JM, Hennekam RCM, Verweij MMJJ, **Cornel MC**, ten Kate LP. Deficient knowledge of genetics relevant for daily practice among medical students nearing graduation. Genetics in Medicine 2005;7(5): 295-301. (42 times cited)
21. Rosano A, Smithells D, Cacciani L, Botting B, Castilla E, **Cornel MC**, Erickson D, Goujard J, Irgens L, Merlob P, Robert E, Siffel C, Stoll C, Sumiyoshi Y. Time trends in neural tube defects prevalence in relation to preventive strategies: in international study. J Epid Comm Health 1999; 53(10): 630-5. (42 times cited)
22. Hehir-Kwa JY, Claustres M, Hastings RJ, van Ravenswaaij-Arts C, Christenhusz G, Genuardi M, Melegh B, Cambon-Thomsen A, Patsalis P, Vermeesch J, **Cornel MC**, Searle B, Palotie A, Capoluongo E, Peterlin B, Estivill X, Robinson PN. Towards a European consensus for reporting incidental findings during clinical NGS testing. Eur J Hum Genet. 2015 ;23:1601-6. (40 times cited)
23. Rosano A, Botto LD, Olney RS, Khoury MJ, Ritvanen A, Goujard J, Stoll C, Cocchi G, Merlob P, Mutchinick O, **Cornel MC**, Castilla EE, Martínez-Frías ML, Zampino G, Erickson JD, Mastroiacovo P. Limb defects associated with major congenital anomalies: Clinical and epidemiological study from the international clearinghouse for birth defects monitoring systems. Am J Med Genet 2000;93:110-116. (40 times cited)
24. Marteau TM, Nippert I, Hall S, Limbert C, Reid M, Bobrow M, Cameron A, **Cornel M**, Diem M van, Eiben B, Garcia-Minaur S, Goujard J, Kirwan D, McIntosh K, Soothill P, Verschuuren-Bemelmans C, Vigan C de, Walkinshaw S, Abramsky L, Louwen F, Miny P, Horst J. Outcomes of pregnancies diagnosed with Klinefelter syndrome: the possible influence of health professionals. Prenatal Diagnosis 2002; 22: 562-6. (39 times cited)
25. Hens K, Van El CE, Borry P, Cambon-Thomsen A, **Cornel MC**, Forzano F, Lucassen A, Patch C, Tranebjaerg L, Vermeulen E, Salvaterra E, Tibben A, Dierickx K; PPPC of the

European Society of Human Genetics. Developing a policy for paediatric biobanks: principles for good practice. Eur J Hum Genet. 2013;21:2-7. (38 times cited)
26. Lakeman P, Plass AM, Henneman L, Bezemer PD, **Cornel** MC, ten Kate LP.Three-month follow-up of Western and non-Western participants in a study on preconceptional ancestry-based carrier couple screening for cystic fibrosis and hemoglobinopathies in the Netherlands. Genet Med. 2008 ;10:820-30. (37 times cited)
27. De Walle HEK, Van der Pal KM, De Jong-Van den Berg LTW, Jeeninga W, Schouten JSAG, De Rover CM, Buitendijk SE, **Cornel MC**. Effect of mass media campaign to reduce socioeconomic differences in women's awareness and behaviour concerning use of folic acid: cross sectional study. BMJ 1999;319:291-2. (35 times cited)
28. Borry P, Evers-Kiebooms G, **Cornel MC**, Clarke A, Dierickx; European Society of Human Genetics. Genetic testing in asymptomatic minors: Recommendations of the European Society of Human Genetics. Eur J Hum Genet. 2009;17(6):720-1. (34 times cited)
29. Rigter T, Henneman L, Kristoffersson U, Hall A, Yntema HG, Borry P, Tönnies H, Waisfisz Q, Elting MW, Dondorp WJ, **Cornel MC**. Reflecting on earlier experiences with unsolicited findings: points to consider for next-generation sequencing and informed consent in diagnostics. Hum Mutat. 2013;34:1322-8. (33 times cited)
30. Patch C, Sequeiros J, **Cornel MC**. Genetic horoscopes: is it all in the genes? Points for regulatory control of direct-to-consumer genetic testing. Eur J Hum Genet. 2009; 17:857-9. (32 times cited)
31. Henneman L, Vermeulen E, van El CG, Claassen L, Timmermans DR, **Cornel MC**. Public attitudes towards genetic testing revisited: comparing opinions between 2002 and 2010. Eur J Hum Genet. 2013;21:793-9. (32 times cited)