

# REFERENCES

## BIBLIOGRAFIA

- Christianson A, Howson CP, Modell CB. March of Dimes Global Report on Birth Defects: The Hidden Toll of Dying and Disabled Children. New York, March of Dimes Foundation, White Plains, 2006.
- World Health Organization. Congenital anomalies fact sheet. Geneva, WHO, 2016. Available from: <http://www.who.int/news-room/fact-sheets/detail/congenital-anomalies>
- Higashi H, Barendregt JJ, Kassebaum, NJ, Weiser TG, Bickler SW, Vos T. The burden of selected congenital anomalies amenable to surgery in low and middle-income regions: cleft lip and palate, congenital heart anomalies and neural tube defects. *Arch Dis Child* 2015;100(3):233-38.
- Xu J, Murphy SL, Kochanek KD, Bastian BA. Deaths: Final data for 2013. *Natl Vital Stat Rep* 2016; 64(2):1-119.
- European Surveillance of Congenital Anomalies (EUROCAT). Perinatal Mortality Associated with Congenital Anomalies in EUROCAT Full Member Registries (n=29<sup>+</sup>), 2008-2012, by Type of Anomaly. Available from: <http://www.eurocat-network.eu/content/EUROCAT-Perinatal-Mortality-Table-1v.pdf> (last accessed: 21 July 2014).
- EUROCAT working group. EUROCAT Special Report: Congenital Anomalies are a Major Group of Mainly Rare Diseases. Newtownabbey, University of Ulster, 2012. Available from: <http://www.eurocat-network.eu/content/Special-Report-Major-Group-of-Mainly-Rare-Diseases.pdf> (last accessed: 20 January 2014)
- Prüss-Ustün A, Wolf J, Corvalán C, Bos R, Neira M. Preventing disease through healthy environments. A global assessment of the burden of disease from environmental risks. Geneva, WHO, 2016.
- Hobbs CA, Cleves MA, Simmons CJ. Genetic epidemiology and congenital malformations: from the chromosome to the crib. *Arch Pediatr Adolesc Med* 2002;156(4):315-20.
- Weinhold B. Environmental Factors in Birth Defects: What We Need to Know. *Environ Health Perspect* 2009;117(10):A440-47.
- Slama R, Cordier S. Environmental contaminants and impacts on healthy and successful pregnancies. In: Environmental impacts on reproductive health and fertility. Woodruff TJ, Janssen SJ, Guillelte LJ, Giudice LC (eds). Cambridge, Cambridge University Press, 2010.
- Castilla EE, López-Camelo JS, Campaña H, Rittler M. Epidemiological methods to assess the correlation between industrial contaminants and rates of congenital anomalies. *Mutat Res* 2001;489(2-3):123-45.
- Shi M, Wehby GL, Murray JC. Review on genetic variants and maternal smoking in the etiology of oral clefts and other birth defects. *Birth Defects Res C Embryo Today* 2008;84(1):16-29.
- Nieuwenhuijsen MJ, Martinez D, Grellier J et al. Chlorination disinfection by-products in drinking water and congenital anomalies: review and meta-analyses. *Environ Health Perspect* 2009;117(10):1486-93.
- Dolk H, Vrijheid M. The impact of environmental pollution on congenital anomalies. *Br Med Bull* 2003;68:25-45.
- Miranda ML, Maxson P, Edwards S. Environmental contributions to disparities in pregnancy outcomes. *Epidemiol Rev* 2009;31(1):67-83.
- Yuan Y, Jin L, Wang L et al. Levels of PAH-DNA adducts in placental tissue and the risk of fetal neural tube defects in a Chinese population. *Reprod Toxicol* 2013;37:70-75.
- Tang D, Li TY, Chow JC et al. Air pollution effects on fetal and child development: a cohort comparison in China. *Environ Pollut* 2014;185:90-96.
- Hansen JM. Oxidative stress as a mechanism of teratogenesis. *Birth Defects Res C Embryo Today* 2006;78(4):293-307.
- Pirincioglu AG, Alyan O, Kizil G, Kangin M, Beyazit N. Evaluation of oxidative stress in children with congenital heart defects. *Pediatr Int* 2012;54(1):94-98.
- Giannakoulas G, Mouratoglou SA, Gatzoulis MA, Karvounis H. Blood biomarkers and their potential role in pulmonary arterial hypertension associated with congenital heart disease. A systematic review. *Int J Cardiol* 2014;174(3):618-23.
- Mostafavi N, Vlaanderen J, Chadeau-Hyam M et al. Inflammatory markers in relation to long-term air pollution. *Environ Int* 2015;81:1-7.
- Stein RA. Epigenetics and environmental exposures. *J Epidemiol Community Health* 2012; 66(1):8-13.
- Zhang QJ, Liu ZP. Histone methylations in heart development, congenital and adult heart diseases. *Epigenomics* 2015;7(2):321-30.
- Rogers JM. Tobacco and pregnancy. *Reprod Toxicol* 2009;28(2):152-60.
- Zalacain M, Sierrasesumaga L, Larrañaga C, Patiño-García A. Effects of benzopyrene-7,8-diol-9,10-epoxide (BPDE) in vitro and of maternal smoking in vivo on micronuclei frequencies in fetal cord blood. *Pediatr Res* 2006;60(2):180-84.
- Mancinelli R, Fidente RM, Draisci R (eds). Donna e alcol: aggiornamenti in tema di ricerca clinica e preclinica. Rapporti ISTISAN 13/36. Roma, Istituto Superiore di Sanità, 2013. Available from: [http://old.iss.it/binary/alco4/cont/Rapporto\\_Istisan.pdf](http://old.iss.it/binary/alco4/cont/Rapporto_Istisan.pdf)
- Pirastu R, Ancona C, Iavarone I, Mitis F, Zona A, Comba P (eds). SENTIERI Project. Evaluation of the epidemiological evidence. *Epidemiol Prev* 2010;34(5-6) Suppl 3:1-96.
- Pirastu R, Iavarone I, Ancona C. Il progetto SENTIERI (Studio Epidemiologico Nazionale dei Territori e degli Insediamenti Esposti a Rischio da Inquinamento). ISTISAN congressi 10/C1. Roma, Istituto superiore di Sanità, 2010.
- McKenzie LM, Guo R, Witter RZ, Savitz DA, Newman LS, Adgate JL. Birth outcomes and maternal residential proximity to natural gas development in rural Colorado. *Environ Health Perspect* 2014;122(4):412-17.
- Brender JD, Shinde MU, Zhan FB, Gong X, Langlois PH. Maternal residential proximity to chlorinated solvent emissions and birth defects in offspring: a case-control study. *Environ Health* 2014;13:96.
- Gianicolo EAL, Bruni A, Rosati E et al. Congenital anomalies among live births in a polluted area. A ten-year retrospective study. *BCM Pregnancy Childbirth* 2012;12:165.
- EUROCAT. Prevalence Tables. Available from: <http://www.eurocat-network.eu/accessprevalencedata/prevalencetable>
- Gianicolo EAL, Mangia C, Cervino M, Bruni A, Andreassi MG, Latini G. Congenital anomalies among live births in a high environmental risk area – a case-control study in Brindisi (Southern Italy). *Environ Res* 2014;128:9-14.
- Bianchi F, Bianca S, Barone C, Pierini A. Updating of the prevalence of congenital anomalies among resident births in the Municipality of Gela (Southern Italy). *Epidemiol Prev* 2014;38(3-4):219-26.
- Lockwood AH, Welker-Hood K, Rauch M, Gottlieb B. Coal's Assault on Human Health. A Report from Physicians for Social Responsibility. 2009. Available from: <http://large.stanford.edu/courses/2015/ph240/mcfadden2/docs/psr-coal-fullreport.pdf>
- Ahern MM, Hendryx M, Conley J, Fedorko E, Ducatman A, Zullig KJ. The association between mountain top mining and birth defects among live births in central Appalachia, 1996-2003. *Environ Res* 2011;111(6):838-46.
- Lamm SH, Li J, Robbins SA, Dissen E, Chen R, Feinleib M. Are residents of mountain-top mining counties more likely to have infants with birth defects? The West Virginia experience. *Birth Defects Res A Clin Mol Teratol* 2015;103(2):76-84.
- Stassen MJM, Preeker NL, Ragas AMJ, van de Ven MW, Smolders AJ, Roeleveld N. Metal exposure and reproductive disorders in indigenous communities living along the Pilomayo River, Bolivia. *Sci Total Environ* 2012;427-428:26-34.
- Mattiello A, Chiodini P, Bianco E et al. Health effects associated with the disposal of solid waste in landfills and incinerators in populations living in surrounding areas: a systematic review. *Int J Public Health* 2013;58(5):725-35.
- International Agency for Research on Cancer. Preamble to the IARC Monographs. B. Scientific review and evaluation. Available from: <http://monographs.iarc.fr/ENG/Preamble/current-b6evalrationale0706.php> (last accessed: 22 July 2013)
- Fielder HM, Poon-King CM, Palmer SR, Moss N, Coleman G. Assessment of impact on health of residents living near the Nant-y-Gwyddon landfill site: retrospective analysis. *BMJ* 2000;320(7226):19-22.
- Fielder HM, Palmer SR, Poon-King C, Moss N, Coleman G. Addressing environmental health concerns near Trecatti landfill site, United Kingdom. *Arch Environ Health* 2001;56(6):529-35.
- Eizaguirre-García D, Rodríguez-Andrés C, Watt GC. Congenital anomalies in Glasgow between 1982 and 1989 and chromium waste. *J Public Health Med* 2000;22(1):54-58.
- Elliott P, Briggs D, Morris S et al. Risk of adverse birth outcomes in populations living near landfill sites. *BMJ* 2001;323(7309):363-68. Erratum in: *BMJ* 2001; 323(7322):1182.
- Elliott P, Richardson S, Abellan JJ et al. Geographic density of landfill sites and risk of congenital anomalies in England. *Occup Environ Med* 2009;66(2):81-89.
- Morris SE, Thomson AOW, Jarup L, de Hoogh C, Briggs DJ, Elliott P. No excess risk of adverse birth outcomes in populations living near special waste landfill sites in Scotland. *Scott Med J* 2003;48(4):105-07.
- Kuehn CM, Mueller BA, Checkoway H, Williams M. Risk of malformations associated with residential proximity to hazardous waste sites in Washington State. *Environ Res* 2007;103(3): 405-12.
- Palmer SR, Dunstan FD, Fielder H, Fone DL, Higgs G, Senior ML. Risk of congenital anomalies after the opening of landfill sites. *Environ Health Perspect* 2005;113(10): 1362-65.
- Kloppenborg SC, Brandt UK, Gulis G, Ejstrup B. Risk of congenital anomalies in the vicinity of waste landfills in Denmark: an epidemiological study using GIS. *Cent Eur J Public Health* 2005;13(3):137-43.
- Gouveia N, Prado RR. Spatial analysis of the health risks associated with solid waste incineration: a preliminary analysis. *Rev Bras Epidemiol* 2010;13(1):3-10.

## REFERENCES

51. Dummer TJB, Dickinson HO, Parker L. Adverse pregnancy outcomes near landfill sites in Cumbria, northwest England, 1950-1993. *Arch Environ Health* 2003;58(11):692-98.
52. Dolk H, Vrijheid M, Armstrong B et al. Risk of congenital anomalies near hazardous-waste landfill sites in Europe: the EUROHAZCON study. *Lancet* 1998;352(9126):423-27.
53. Vrijheid M, Dolk H, Armstrong B et al. Hazard potential ranking of hazardous waste landfill sites and risk of congenital anomalies. *Occup Environ Med* 2002;59(11):768-76.
54. Orr M, Bove F, Kaye W, Stone M. Elevated birth defects in racial or ethnic minority children of women living near hazardous waste sites. *Int J Hyg Environ Health* 2002;205(1-2):19-27.
55. Boyle E, Johnson H, Kelly A, McDonnell R. Congenital anomalies and proximity to landfill sites. *Ir Med J* 2004;97(1):16-18.
56. Geschwind SA, Stolwijk JA, Bracken M et al. Risk of congenital malformations associated with proximity to hazardous waste sites. *Am J Epidemiol* 1992;135(11):1197-207.
57. Marshall EG, Gensburg LJ, Deres DA, Geary NS, Cayo MR. Maternal residential exposure to hazardous wastes and risk of central nervous system and musculoskeletal birth defects. *Arch Environ Health* 1997;52(6):416-25.
58. Croen LA, Shaw GM, Sanbonmatsu L, Selvin S, Buffler PA. Maternal residential proximity to hazardous waste sites and risk for selected congenital malformations. *Epidemiology* 1997;8(4):347-54.
59. Triassi M, Alfano R, Illario M, Nardone A, Caporale O, Montuori P. Environmental pollution from illegal waste disposal and health effects: a review on the triangle of death. *Int J Environ Res Public Health* 2015;12(2):1216-36.
60. Fazzo L, Belli S, Minichilli F et al. Cluster analysis of mortality and malformations in the Provinces of Naples and Caserta (Campania Region). *Ann Ist Super Sanita* 2008;44(1):99-111.
61. Martuzzi M, Mitis F, Bianchi F, Minichilli F, Comba P, Fazzo L. Cancer mortality and congenital anomalies in a region of Italy with intense environmental pressure due to waste. *Occup Environ Med* 2009;66(11):725-32.
62. Ashworth DA, Elliott P, Toledano MB. Waste incineration and adverse birth and neonatal outcomes: a systematic review. *Environ Int* 2014;69:120-32.
63. Cordier S, Chevrier C, Robert-Gnansia E, Lorente C, Brula P, Hours M. Risk of congenital anomalies in the vicinity of municipal solid waste incinerators. *Occup Environ Med* 2004;61(1):8-15.
64. Cordier S, Lehebel A, Amar E et al. Maternal residence near municipal waste incinerators and the risk of urinary tract birth defects. *Occup Environ Med* 2010;67(7):493-99.
65. Jansson B, Voog L. Dioxin from Swedish municipal incinerators and the occurrence of cleft lip and palate malformations. *Int J Environ Stud* 1989;34(1-2):99-104.
66. Cresswell PA, Scott JE, Pattenden S, Vrijheid M. Risk of congenital anomalies near the Byker waste combustion plant. *J Public Health Med* 2003;25(3):237-42.
67. Dummer TJ, Dickinson HO, Parker L. Adverse pregnancy outcomes around incinerators and crematoriums in Cumbria, North West England, 1956-93. *J Epidemiol Community Health* 2003;57(6):456-61.
68. Vinceti M, Malagoli C, Teggi S et al. Adverse pregnancy outcomes in a population exposed to the emissions of a municipal waste incinerator. *Sci Total Environ* 2008;407(1):116-21.
69. Vinceti M, Malagoli C, Fabbri S et al. Risk of congenital anomalies around a municipal solid waste incinerator: a GIS-based case-control study. *Int J Health Geogr* 2009;8:8.
70. Lee LJ, Lupo PJ. Maternal smoking during pregnancy and the risk of congenital heart defects in offspring: a systematic review and metaanalysis. *Pediatr Cardiol* 2013;34(2):398-407.
71. Hackshaw A, Rodeck C, Boniface S. Maternal smoking in pregnancy and birth defects: a systematic review based on 173 687 malformed cases and 11.7 million controls. *Hum Reprod Update* 2011;17(5):589-604.
72. Molina-Solana R, Yáñez-Vico RM, Iglesias-Linares A, Mendoza-Mendoza A, Solano-Reina E. Current concepts on the effect of environmental factors on cleft lip and palate. *Int J Oral Maxillofac Surg* 2013;42(2):177-84.
73. Sabbagh HJ, Hassan MH, Innes NP, Elkodary HM, Little J, Mossey PA. Passive smoking in the etiology of non-syndromic orofacial clefts: a systematic review and meta-analysis. *PLoS One* 2015;10(3):e0116963.
74. Leite M, Albieri V, Kjaer SK, Jensen A. Maternal smoking in pregnancy and risk for congenital malformations: results of a Danish register-based cohort study. *Acta Obstet Gynecol Scand* 2014;93(8):825-34.
75. Gunnerbeck A, Edstedt Bonamy AK, Wikström AK, Granath F, Wickström R, Cnattingius S. Maternal snuff use and smoking and the risk of oral cleft malformations – a population-based cohort study. *PLoS One* 2014;9(1):e84715.
76. Fung A, Manhiot C, Naik S et al. Impact of prenatal risk factors on congenital heart disease in the current era. *J Am Heart Assoc* 2013;2(3):e000064.
77. Deng K, Liu Z, Lin Y et al. Periconceptional paternal smoking and the risk of congenital heart defects: a case-control study. *Birth Defects Res A Clin Mol Teratol* 2013;97(4):210-16.
78. Martelli DR, Coletta RD, Oliveira EA et al. Association between maternal smoking, gender, and cleft lip and palate. *Braz J Otorhinolaryngol* 2015;81(5):514-19.
79. Zhang B, Jiao X, Mao L, Xue J. Maternal cigarette smoking and the associated risk of having a child with orofacial clefts in China: a case-control study. *J Craniomaxillofac Surg* 2011;39(5):313-18.
80. Wang M, Wang ZP, Gong R, Zhao ZT. Maternal smoking during pregnancy and neural tube defects in offspring: a meta-analysis. *Childs Nerv Syst* 2014;30(1):83-89.
81. Benedum CM, Yazdy MM, Mitchell AA, Werler MM. Risk of spina bifida and maternal cigarette, alcohol, and coffee use during the first month of pregnancy. *Int J Environ Res Public Health* 2013;10(8):3263-81.
82. Zwink N, Jenetzky E, Brenner H. Parental risk factors and anorectal malformations: systematic review and meta-analysis. *Orphanet J Rare Dis* 2011;6:25.
83. Kancherla V, Romitti PA, Sun L et al. Descriptive and risk factor analysis for choanal atresia: The National Birth Defects Prevention Study, 1997-2007. *Eur J Med Genet* 2014;57(5):220-29.
84. Zwink N, Rissmann A, Pötzsch S, Reutter H, Jenetzky E, CURE-Net Consortium. Parental risk factors of anorectal malformations: Analysis with a regional population-based control group. *Birth Defects Res A Clin Mol Teratol* 2016;106(2):133-41.
85. Leonardi-Bee J, Britton J, Venn A. Secondhand smoke and adverse fetal outcomes in non-smoking pregnant women: a meta-analysis. *Pediatrics* 2011;127(4):734-41.
86. Ou Y, Mai J, Zhuang J et al. Risk factors of different congenital heart defects in Guangdong, China. *Pediatr Res* 2016;79(4):549-58.
87. Pei L, Kang Y, Cheng Y, Yan H. The Association of Maternal Lifestyle with Birth Defects in Shaanxi Province, Northwest China. *PLoS One* 2015;10(9):e0139452.
88. Skarsgard ED, Meaney C, Bassil K et al. Maternal risk factors for gastroschisis in Canada. *Birth Defects Res A Clin Mol Teratol* 2015;103(2):111-18.
89. Feldkamp ML, Sriskumbhobornchai S, Romitti PA et al. Self-reported maternal cigarette smoke exposure during the periconceptional period and the risk for omphalocele. *Paediatr Perinat Epidemiol* 2014;28(1):67-73.
90. Dodwell E, Risoe P, Wright J. Factors associated with increased risk of clubfoot: a Norwegian National Cohort Analysis. *J Pediatr Orthop* 2015;35(8):e104-09.
91. Werler MM, Yazdy MM, Kasser JR et al. Maternal cigarette, alcohol, and coffee consumption in relation to risk of clubfoot. *Paediatr Perinat Epidemiol* 2015;29(1):3-10.
92. Zhang L, Wang XH, Zheng XM et al. Maternal gestational smoking, diabetes, alcohol drinking, pre-pregnancy obesity and the risk of cryptorchidism: a systematic review and meta-analysis of observational studies. *PLoS One* 2015;10(3):e0119006.
93. Wen Z, Yu D, Zhang W et al. Association between alcohol consumption during pregnancy and risks of congenital heart defects in offspring: meta-analysis of epidemiological observational studies. *Ital J Pediatr* 2016;42:12.
94. Leng LY, Wang JW, Cao SS, Wang M. Maternal periconceptional alcohol consumption and the risk of neural tube defects in offspring: a meta-analysis. *J Matern Fetal Neonatal Med* 2016;29(10):1673-79.
95. Bell JC, Raynes-Greenow C, Turner RM, Bower C, Nassar N, O'Leary CM. Maternal alcohol consumption during pregnancy and the risk of orofacial clefts in infants: a systematic review and meta-analysis. *Paediatr Perinat Epidemiol* 2014;28(4):322-32.
96. Strandberg-Larsen K, Skov-Ettrup LS, Grønbaek M, Andersen AM, Olsen J, Tolstrup J. Maternal alcohol drinking pattern during pregnancy and the risk for an offspring with an isolated congenital heart defect and in particular a ventricular septal defect or an atrial septal defect. *Birth Defects Research A Clin Mol Teratol* 2011;91(7):616-22.
97. Makelarski JA, Romitti PA, Sun L et al. Periconceptional maternal alcohol consumption and neural tube defects. *Birth Defects Res A Clin Mol Teratol* 2013;97(3):152-60.
98. McAteer JP, Hecht A, De Roos AJ, Goldin AB. Maternal medical and behavioral risk factors for congenital diaphragmatic hernia. *J Pediatr Surg* 2014;49(1):34-38; discussion 38.
99. Robledo-Aceves M, Bobadilla-Morales L, Mellín-Sánchez EL et al. Prevalence and risk factors for gastroschisis in a public hospital from west México. *Congenit Anom (Kyoto)* 2015;55(2):73-80.
100. Lupo PJ, Danysh HE, Symanski E, Langlois PH, Cai Y, Swartz MD. Neighborhood-Based Socioeconomic Position and Risk of Oral Clefts Among Offspring. *Am J Public Health* 2015;105(12):2518-25.
101. Root ED, Meyer RE, Emch M. Socioeconomic context and gastroschisis: exploring associations at various geographic scales. *Soc Sci Med* 2011;72(4):625-33.
102. Nieuwenhuijsen MJ, Dadvand P, Grellier J, Martinez D, Vrijheid M. Environmental risk factors of pregnancy outcomes: a summary of recent meta-analyses of epidemiological studies. *Environ Health* 2013;12: 6.
103. Cordier S, Garlantézec R, Labat L et al. Exposure during pregnancy to glycol ethers and chlorinated solvents and the risk of congenital malformations. *Epidemiology* 2012;23(6):806-12.
104. Vaktkskjold A, Talykova LV, Nieboer E. Congenital anomalies in newborns to women employed in jobs with frequent exposure to organic solvents – a register-based prospective study. *BCM Pregnancy Childbirth* 2011;11:83.
105. Jørgensen KT, Jensen MS, Toft GV, Larsen AD, Bonde JP, Hougaard KS. Risk of cryptorchidism among sons of horticultural workers and farmers in Denmark. *Scand J Work Environ Health* 2014;40(3):323-30.
106. Rocheleau CM, Bertke SJ, Lawson CC et al. Maternal occupational pesticide exposure and risk of congenital heart defects in the National Birth Defects Prevention Study. *Birth Defects Res A Clin Mol Teratol* 2015;103(10):823-33.
107. Kielb C, Lin S, Herdt-Losavio M et al. Maternal periconceptional occupational exposure to pesticides and selected musculoskeletal birth defects. *Int J Hyg Environ Health* 2014;217(2-3):248-54.
108. Rocheleau CM, Romitti PA, Sanderson WT et al. Maternal occupational pesticide exposure and risk of hypospadias in the National Birth Defects Prevention Study. *Birth Defects Research A Clin Mol Teratol* 2011;91(11):927-36.
109. Snijder CA, Vlot IJ, Burdorf A et al. Congenital heart defects and parental occupational exposure to chemicals. *Hum Reprod* 2012;27(5):1510-17.
110. Desrosiers TA, Lawson CC, Meyer RE et al. Maternal occupational exposure to organic solvents during early pregnancy and risks of neural tube defects and orofacial clefts. *Occup Environ Med* 2012;69(7):493-99.

111. O'Brien JL, Langlois PH, Lawson CC et al. Maternal occupational exposure to polycyclic aromatic hydrocarbons and craniosynostosis among offspring in the National Birth Defects Prevention Study. *Birth Defects Res A Clin Mol Teratol* 2016;106(1):55-60.
112. Lupo PJ, Symanski E, Langlois PH et al. Maternal occupational exposure to polycyclic aromatic hydrocarbons and congenital heart defects among offspring in the National Birth Defects Prevention Study. *Birth Defects Res A Clin Mol Teratol* 2012;94(11):875-81.
113. Lupo PJ, Langlois PH, Reefhuis J et al. Maternal occupational exposure to polycyclic aromatic hydrocarbons: effects on gastroschisis among offspring in the National Birth Defects Prevention Study. *Environ Health Perspect* 2012;120(6):910-15.
114. Lim H, Agopian AJ, Whitehead LW et al. Maternal occupational exposure to ionizing radiation and major structural birth defects. *Birth Defects Res A Clin Mol Teratol* 2015;103(4):243-54.
115. Chen EK, Zmirou-Navier D, Padilla C, Deguen S. Effects of air pollution on the risk of congenital anomalies: a systematic review and meta-analysis. *Int J Environ Res Public Health* 2014;11(8):7642-68.
116. Vrijheid M, Martinez D, Manzanares S et al. Ambient air pollution and risk of congenital anomalies: a systematic review and meta-analysis. *Environ Health Perspect* 2011;119(5):598-606.
117. Yao C, Chen Y, Zhu X et al. Air pollution and the risk of birth defects in Anqing City, China. *J Occup Environ Med* 2016;58(4):e124-27.
118. Tanner JP, Salemi JL, Stuart AL et al. Associations between exposure to ambient benzene and PM (2.5) during pregnancy and the risk of selected birth defects in offspring. *Environ Res* 2015;142:345-53.
119. Zhu Y, Zhang C, Liu D, Grantz KL, Wallace M, Mendola P. Maternal ambient air pollution exposure preconception and during early gestation and offspring congenital orofacial defects. *Environ Res* 2015;140:714-20.
120. Farhi A, Boyko V, Almagor J et al. The possible association between exposure to air pollution and the risk for congenital malformations. *Environ Res* 2014;135:173-80.
121. Stingone JA, Luben TJ, Julie L et al. Maternal exposure to criteria air pollutants and congenital heart defects in offspring: results from the National Birth Defects Prevention Study. *Environ Health Perspect* 2014;122(8):863-72.
122. Girguis MS, Strickland MJ, Hu X, Liu Y, Bartell SM, Vieira VM. Maternal exposure to traffic-related air pollution and birth defects in Massachusetts. *Environ Res* 2016;146:1-9.
123. Vinceti M, Malagoli C, Malavolti M et al. Does maternal exposure to benzene and PM10 during pregnancy increase the risk of congenital anomalies? A population-based case-control study. *Sci Total Environ* 2016;541:444-50.
124. Vinikoor-Imler LC, Stewart TG, Luben TJ, Davis JA, Langlois PH. An exploratory analysis of the relationship between ambient ozone and particulate matter concentrations during early pregnancy and selected birth defects in Texas. *Environ Pollut* 2015;202:1-6.
125. Lin YT, Lee YL, Jung CR, Jaakkola JJ, Hwang BF. Air pollution and limb defects: a matched-pairs case-control study in Taiwan. *Environ Res* 2014;132:273-80.
126. Chung MK, Lao TT, Ting YH, Leung TY, Lau TK, Wong TW. Environmental factors in the first trimester and risk of oral-facial clefts in the offspring. *Reprod Sci* 2013;20(7):797-803.
127. Dolk H. Epidemiologic approaches to identifying environmental causes of birth defects. *Am J Med Genet C Semin Med Genet* 2004;125C(1):4-11.
128. EUROCAT – European Surveillance of Congenital Anomalies. Publication of the EUROCAT statistical monitoring report and updated prevalence tables. Available from: <http://www.eurocat-network.eu/> (last accessed: 21 September 2016).
129. Vrijheid M, Bianchi F, Nelen V, Thys G, Rankin J, Martos C. Actions towards European Environmental Surveillance: feasibility of environmental linkage. Available from: <http://www.eurocat-net-work.eu/content/Vrijheid-2013-Environmental-Linkage.pdf> (last accessed: 30 August 2016).
130. Taruscio D, Arriola L, Baldi F et al. European recommendations for primary prevention of congenital anomalies: a joined effort of EUROCAT and EUROPLAN projects to facilitate inclusion of this topic in the National Rare Disease Plans. *Public Health Genomics* 2014;17(2):115-23.
131. Balabani D, Rupnik M, Klemencic AK. Negative impact of endocrine-disrupting compounds on human reproductive health. *Reprod Fertil Dev* 2011;23(3):403-16.
132. De Celis R, Fera-Velasco A, Gonzalez-Unzaga M, Torres-Calleja J, Pedron-Nuevo N. Semen quality of workers occupationally exposed to hydrocarbons. *Fertil Steril* 2000;73(2):221-28.
133. Wang SL, Wang XR, Chia SE et al. A study on occupational exposure to petrochemicals and smoking on seminal quality. *J Androl* 2001;22(1):73-78.
134. Marchetti F, Eskenazi B, Weldon RH et al. Occupational exposure to benzene and chromosomal structural aberrations in the sperm of Chinese men. *Environ Health Perspect* 2012;120(2):229-34.
135. Thorup J, Nordenskjöld A, Hutson JM. Genetic and environmental origins of hypospadias. *Curr Opin Endocrinol Diabetes Obes* 2014;21(3):227-32.
136. Gold R, McGinty T. Energy boom puts wells in America's backyards. *The Wall Street Journal*, online edition, 25 October 2013. Available from: <https://www.wsj.com/articles/energy-boom-puts-wells-in-america8217s-backyards-1382756256>
137. The West Virginia Geological and Economic Survey. Available from: <http://www.wvgs.wvnet.edu> (last accessed: 5 June 2009).
138. Stacy SL, Brink LL, Larkin JC et al. Perinatal outcomes and unconventional natural gas operations in Southwest Pennsylvania. *PLoS One* 2015;10(6):e0126425.
139. Frazier A (ed). Analysis of Data Obtained for the Garfield County Air Toxics Study – Summer 2008. Denver, Colorado Department of Public Health and Environment, 2009. Available from: [http://www.garfield-county.com/air-quality/documents/airquality/2008\\_Targeted\\_Oil\\_and\\_Gas\\_Monitoring\\_Report.pdf](http://www.garfield-county.com/air-quality/documents/airquality/2008_Targeted_Oil_and_Gas_Monitoring_Report.pdf) (last accessed: 22 May 2013).
140. Walther E (ed). Screening Health Risk Assessment Sublette County, Wyoming. SR2011-01-03. Sacramento, Sierra Research, 2011. Available from: <http://www.sublettewyo.com/DocumentCenter/Home/View/438> (last accessed: 22 May 2013).
141. Olaguer EP. The potential near-source ozone impacts of upstream oil and gas industry emissions. *J Air Waste Manag Assoc* 2012;62(8):966-77.
142. Fazzo L, Minichilli F, Santoro M et al. Hazardous waste and health impact: a systematic review of the scientific literature. *Environmental Health* 2017;16(1):107.
143. Milbrath MO, Wenger Y, Chang CW et al. Apparent half-lives of dioxins, furans, and polychlorinated biphenyls as a function of age, body fat, smoking status, and breast-feeding. *Environ Health Perspect* 2009;117(3):417-25.
144. Malik S, Cleves MA, Honein MA et al. Maternal smoking and congenital heart defects. *Pediatrics* 2008;121(4):e810-16.
145. Karatza AA, Giannakopoulos I, Dassios TG, Belavgenis G, Mantagos SP, Varvarigou AA. Periconceptional tobacco smoking and isolated congenital heart defects in the neonatal period. *Int J Cardiol* 2011;148(3):295-99.
146. Nykjaer C, Alwan NA, Greenwood DC et al. Maternal alcohol intake prior to and during pregnancy and risk of adverse birth outcomes: evidence from a British cohort. *J Epidemiol Community Health* 2014;68(6):542-49.
147. Scholin L (ed). Prevention of harm caused by alcohol exposure in pregnancy. Rapid review and case studies from Member States. Geneva, World Health Organization, 2016. Available from: <http://www.euro.who.int/en/publications/abstracts/prevention-of-harm-caused-by-alcohol-exposure-in-pregnancy.-rapid-review-and-case-studies-from-member-states-2016>