

エンドポイント	タイトル	著者名	発行年	雑誌名	引用評価書	●Key Study(評価書名) ○周辺データ	備考
免疫毒性	Abnormal differentiation of regulatory T cells and Th17 cells induced by perinatal bisphenol A exposure in female offspring mice	Dong et al.	2020	Mol Cell Toxicol	BfR 2023	○	
免疫毒性	The imbalance of Treg/Th17 cells induced by perinatal bisphenol A exposure is associated with activation of the PI3K/Akt/mTOR signaling pathway in male offspring mice	Gao et al.	2020	Food Chem Toxicol	BfR 2023	○	
免疫毒性	Oral Administration of Bisphenol A Directly Exacerbates Allergic Airway Inflammation but Not Allergic Skin Inflammation in Mice	Tajiki-Nishino et al.	2018	Toxicol Sci	EFSA 2023	○	
免疫毒性	Gestational and lactational exposure to low-dose bisphenol A increases Th17 cells in mice offspring	Luo et al.	2016	Environ Toxicol Pharmacol	EFSA 2023 BfR 2023	●(EFSA2023)	
免疫毒性	Early life exposure to bisphenol A investigated in mouse models of airway allergy, food allergy and oral tolerance	Nygaard et al.	2015	Food Chem Toxicol	BfR 2023	○	
代謝影響	Perinatal exposure to bisphenol A at reference dose predisposes offspring to metabolic syndrome in adult rats on a high-fat diet	Wei et al.	2011	Endocrinology	KEMI 2012	●(KEMI)	
代謝影響	Perinatal and postnatal exposure to bisphenol a increases adipose tissue mass and serum cholesterol level in mice	Miyawaki et al.	2007	J Atheroscler Thromb	ANSES 2013	●(ANSES)	
神経毒性及び発達神経毒性	Bisphenol A exposure remodels cognition of male rats attributable to excitatory alterations in the hippocampus and visual cortex	Chen et al.	2018	Toxicology	EFSA 2023	○	
神経毒性及び発達神経毒性	Mice exposed to bisphenol A exhibit depressive-like behavior with neurotransmitter and neuroactive steroid dysfunction	Xin et al.	2018	Horm Behav	EFSA 2023	○	
神経毒性及び発達神経毒性	Neurotoxicity of low bisphenol A (BPA) exposure for young male mice: Implications for children exposed to environmental levels of BPA	Zhou et al.	2017	Environ Pollut	EFSA 2023	○	
神経毒性及び発達神経毒性	Effects of developmental exposure to bisphenol A on spatial navigational learning and memory in rats: A CLARITY-BPA study	Johnson et al.	2016	Horm Behav	EFSA 2023	○	
神経毒性及び発達神経毒性	Neurochemical impact of bisphenol A in the hippocampus and cortex of adult male albino rats	Khadrawy et al.	2016	Toxicol Ind Health	EFSA 2023	○	
神経毒性及び発達神経毒性	Prenatal exposure to bisphenol A impacts neuronal morphology in the hippocampal CA1 region in developing and aged mice	Kimura et al.	2016	Arch Toxicol	EFSA 2023	○	
神経毒性及び発達神経毒性	Sex-specific effects of long-term exposure to bisphenol-A on anxiety- and depression-like behaviors in adult mice	Xu et al.	2015	Chemosphere	EFSA 2023	○	
神経毒性及び発達神経毒性	Developmental bisphenol-A exposure affects hippocampal dentate gyrus area spine formation through Wnt/ β -catenin signaling	Liu et al.	2014	Chinese J Pharmacol Toxicol	EFSA 2023	○	
神経毒性及び発達神経毒性	Dose-dependent behavioral disturbances after a single neonatal Bisphenol A dose	Viberg et al.	2011	Toxicology	KEMI 2012	●(KEMI)	
神経毒性及び発達神経毒性	Sex-specific influence of exposure to bisphenol-A between adolescence and young adulthood on mouse behaviors	Xu et al.	2011	Neuropharmacology	KEMI 2012	●(KEMI)	

エンドポイント	タイトル	著者名	発行年	雑誌名	引用評価書	●Key Study(評価書名) ○周辺データ	備考
神経毒性及び発達神経毒性	Perinatal exposure to bisphenol-A impairs learning-memory by concomitant down-regulation of N-methyl-D-aspartate receptors of hippocampus in male offspring mice	Xu et al.	2010	Horm Behav	KEMI 2012 ANSES 2013	●(KEMI,ANSES)	
神経毒性及び発達神経毒性	Developmental exposure to environmental estrogens alters anxiety and spatial memory in female mice	Ryan and Vandenberg	2006	Horm Behav	KEMI 2012	●(KEMI)	
神経毒性及び発達神経毒性	Effect of neonatal rat bisphenol a exposure on performance in the Morris water maze	Carr et al.	2003	J Toxicol Environ Health A	KEMI 2012	●(KEMI)	
生殖・発生毒性	Bisphenol A-induced Alterations in Different Stages of Spermatogenesis and Systemic Toxicity in Albino Mice (Mus musculus)	Alabi et al.	2021	J Health Pollut	BfR 2023	○	
生殖・発生毒性	Multigenerational impacts of gestational bisphenol A exposure on the sperm function and fertility of male mice	Rahman et al.	2021	J Hazard Mater	BfR 2023	○	
生殖・発生毒性	Bisphenol A decreases expression of Insulin-like factor 3 and induces histopathological changes in the Testes of Rats	Sencar et al.	2021	Toxicol Ind Health	BfR 2023	○	
生殖・発生毒性	Influence of bisphenol A on spermatological parameters of New Zealand White Rabbits	Karabulut and Gulay	2020	Medycyna Weterinaryjna	BfR 2023	○	
生殖・発生毒性	A two-year toxicology study of bisphenol A (BPA) in Sprague-Dawley rats: CLARITY-BPA core study results	Camacho et al.	2019	Food Chem Toxicol	EFSA 2023 BfR 2023	○	
生殖・発生毒性	Bisphenol A analogues bisphenol B, bisphenol F, and bisphenol S induce oxidative stress, disrupt daily sperm production, and damage DNA in rat spermatozoa: a comparative in vitro and in vivo study	Ullah et al.	2019	Toxicol Ind Health	BfR 2023	○	
生殖・発生毒性	Bisphenol A Initiates Excessive Premature Activation of Primordial Follicles in Mouse Ovaries via the PTEN Signaling Pathway	Hu et al.	2018	Reprod Sci	EFSA 2023	○	
生殖・発生毒性	NTP Research Report on the CLARITY-BPA Core Study: A Perinatal and Chronic Extended-Dose-Range Study of Bisphenol A in Rats: research Report 9	NTP	2018	National Toxicological Program	NIFDS 2025	●(NIFDS)	
生殖・発生毒性	Bisphenol A Exposure Impairs Epididymal Development during the Peripubertal Period of Rats: Inflammatory Profile and Tissue Changes	Ogo et al.	2018	Basic Clin Pharmacol Toxicol	EFSA 2023 BfR 2023	○	
生殖・発生毒性	Alteration in apoptotic rate of testicular cells and sperms following administration of Bisphenol A (BPA) in Wistar albino rats	Srivastava and Gupta	2018	Environ Sci Pollut Res Int	BfR 2023	●(BfR)	
生殖・発生毒性	Bisphenol A and its analogs bisphenol B, bisphenol F, and bisphenol S: Comparative in vitro and in vivo studies on the sperms and testicular tissues of rats	Ullah et al.	2018	Chemosphere	BfR 2023	○	
生殖・発生毒性	Bisphenol A Exposure, Ovarian Follicle Numbers, and Female Sex Steroid Hormone Levels: Results From a CLARITY-BPA Study	Patel et al.	2017	Endocrinology	EFSA 2023	○	
生殖・発生毒性	Prenatal bisphenol a exposure leads to reproductive hazards on male offspring via the Akt/mTOR and mitochondrial apoptosis pathways	Quan et al.	2017	Environ Toxicol	BfR 2023	○	

エンドポイント	タイトル	著者名	発行年	雑誌名	引用評価書	●Key Study(評価書名) ○周辺データ	備考
生殖・発生毒性	Gestational Exposure to Bisphenol A Affects the Function and Proteome Profile of F1 Spermatozoa in Adult Mice	Rahman et al.	2017	Environ Health Perspect	BfR 2023	○	
生殖・発生毒性	Bisphenol A Impairs Mature Sperm Functions by a CatSper-Relevant Mechanism	Wang et al.	2016	Toxicol Sci	EFSA 2023	○	
生殖・発生毒性	Developmental exposure to bisphenol A alters the differentiation and functional response of the adult rat uterus to estrogen treatment	Vigezzi et al.	2015	Reprod Toxicol	EFSA 2023	○	
生殖・発生毒性	Toxicity Evaluation of Bisphenol A Administered by Gavage to Sprague Dawley Rats From Gestation Day 6 Through Postnatal Day 90	Delclos et al.	2014	Toxicol Sci	BfR 2023 EFSA 2015	○	
生殖・発生毒性	Detrimental effects of bisphenol A on development and functions of the male reproductive system in experimental rats	Gurmeet et al.	2014	Excli j	EFSA 2023	○	
生殖・発生毒性	Mitochondrion-mediated apoptosis is involved in reproductive damage caused by BPA in male rats	Wang et al.	2014	Environ Toxicol Pharmacol	BfR 2023	○	
生殖・発生毒性	Exposure to bisphenol A disrupts meiotic progression during spermatogenesis in adult rats through estrogen-like activity	Liu et al.	2013	Cell Death Dis	BfR 2023	●(BfR)	
生殖・発生毒性	Two-generation reproductive toxicity study of dietary bisphenol A in CD-1 (Swiss) mice	Tyl et al.	2008	Toxicol Sci	BfR 2023 EFSA 2015 FDA 2014	●(EFSA2015, FDA)	
生殖・発生毒性	Three-generation reproductive toxicity study of dietary bisphenol A in CD Sprague-Dawley rats	Tyl et al.	2002	Toxicol Sci	BfR 2023 EFSA 2015 FDA 2014	●(FDA)	
生殖・発生毒性	Perinatal exposure to low doses of bisphenol A affects body weight, patterns of estrous cyclicity, and plasma LH levels	Rubin et al.	2001	Environ Health Perspect	ANSES 2013	●(ANSES)	
発がん性	In utero exposure to bisphenol A shifts the window of susceptibility for mammary carcinogenesis in the rat	Betancourt et al.	2010	Environ Health Perspect	KEMI 2012	●(KEMI)	
発がん性	Oral exposure to bisphenol a increases dimethylbenzanthracene-induced mammary cancer in rats	Jenkins et al.	2009	Environ Health Perspect	KEMI 2012	●(KEMI)	
発がん性 (乳腺発達)	Bisphenol A alters the development of the rhesus monkey mammary gland	Tharp et al.	2012	Proc Natl Acad Sci U S A	KEMI 2012	●(KEMI)	
発がん性	Effect of prenatal exposure to the endocrine disruptor bisphenol A on mammary gland morphology and gene expression signature	Moral et al.	2008	J Endocrinol	ANSES 2013	●(ANSES)	
発がん性	Low-Dose Bisphenol A in a Rat Model of Endometrial Cancer: A CLARITY-BPA Study	Leung et al.	2020	Environ Health Perspect	BfR 2023	○	
発がん性	Low-dose effects of bisphenol A on mammary gland development in rats	Mandrup et al.	2016	Andrology	BfR 2023	○	
その他	Perinatal exposure to bisphenol a alters early adipogenesis in the rat	Somm et al.	2009	Environ Health Perspect	KEMI 2012	●(KEMI)	
その他	Bisphenol A promotes hyperuricemia via activating xanthine oxidase	Ma et al.	2018	Faseb j	EFSA 2023	○	
その他	Short-term exposure to bisphenol A affects water and salt intakes differently in male and ovariectomised female rats	Nuñez et al.	2018	Appetite	EFSA 2023	○	
その他	Lung inflammation induced by exposure to Bisphenol-A is associated with mTOR-mediated autophagy in adolescent mice	Wang et al.	2020	Chemosphere	BfR 2023	○	