

# The Nose Revisited: A Brief Review of the Comparative Pathology of the Nasal Epithelium

Toxicologic Pathology

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Nasal Cytotoxic and Carcinogenic Activities of Systemically Distributed Organic Chemicals. <i>Toxicologic Pathology</i> , 2006, 34, 827-852.	0.9	31
2	Inhalation of Toluene Diisocyanate Vapor Induces Allergic Rhinitis in Mice. <i>Journal of Immunology</i> , 2007, 179, 1864-1871.	0.4	53
3	Neurotoxicity and Inflammation in the Nasal Airways of Mice Exposed to the Macrocytic Trichothecene Mycotoxin Roridin A: Kinetics and Potentiation by Bacterial Lipopolysaccharide Coexposure. <i>Toxicological Sciences</i> , 2007, 98, 526-541.	1.4	55
4	Upper Respiratory Tract Lesions in Inhalation Toxicology. <i>Toxicologic Pathology</i> , 2007, 35, 163-169.	0.9	39
5	Three-Dimensional Mapping of Ozone-Induced Injury in the Nasal Airways of Monkeys Using Magnetic Resonance Imaging and Morphometric Techniques. <i>Toxicologic Pathology</i> , 2007, 35, 27-40.	0.9	28
6	E2f4 is required for normal development of the airway epithelium. <i>Developmental Biology</i> , 2007, 305, 564-576.	0.9	59
7	Mucus and the mare: How little we know. <i>Theriogenology</i> , 2007, 68, 386-394.	0.9	23
8	Olfactory epithelia exhibit progressive functional and morphological defects in CF mice. <i>American Journal of Physiology - Cell Physiology</i> , 2007, 293, C574-C583.	2.1	25
9	Scaling of the first ethmoturbinal in nocturnal strepsirrhines: Olfactory and respiratory surfaces. <i>Anatomical Record</i> , 2007, 290, 215-237.	0.8	42
10	Rodent models of allergic rhinitis: Relevance to human pathophysiology. <i>Current Allergy and Asthma Reports</i> , 2007, 7, 134-140.	2.4	22
11	Tissue distribution and proinflammatory cytokine induction by the trichothecene deoxynivalenol in the mouse: Comparison of nasal vs. oral exposure. <i>Toxicology</i> , 2008, 248, 39-44.	2.0	71
13	Notch2 is required for maintaining sustentacular cell function in the adult mouse main olfactory epithelium. <i>Developmental Biology</i> , 2008, 314, 40-58.	0.9	36
14	Chapter 12 Olfactory Cilia: Our Direct Neuronal Connection to the External World. <i>Current Topics in Developmental Biology</i> , 2008, 85, 333-370.	1.0	65
15	Wnt signaling in lung organogenesis. <i>Organogenesis</i> , 2008, 4, 100-108.	0.4	74
16	In Situ and Ex Vivo Nasal Models for Preclinical Drug Development Studies. , 2008, , 112-134.		14
17	Stachybotrys chartarum, Trichothecene Mycotoxins, and Damp Building-Related Illness: New Insights into a Public Health Enigma. <i>Toxicological Sciences</i> , 2008, 104, 4-26.	1.4	140
18	Nasal Solitary Chemoreceptor Cell Responses to Bitter and Trigeminal Stimulants In Vitro. <i>Journal of Neurophysiology</i> , 2008, 99, 2929-2937.	0.9	114
19	Long-Term Ozone Exposure Attenuates 1-Nitronaphthalene-Induced Cytotoxicity in Nasal Mucosa. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2008, 38, 300-309.	1.4	3

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20	Derivation of an Inhalation Reference Concentration Based upon Olfactory Neuronal Loss in Male Rats following Subchronic Acetaldehyde Inhalation. <i>Inhalation Toxicology</i> , 2008, 20, 245-256.	0.8	21
21	Effects of subchronic inhalation exposure to carbon black nanoparticles in the nasal airways of laboratory rats. <i>International Journal of Nanotechnology</i> , 2008, 5, 30.	0.1	10
22	Proliferative and Nonproliferative Lesions of the Rat and Mouse Respiratory Tract. <i>Toxicologic Pathology</i> , 2009, 37, 5S-73S.	0.9	247
23	Ion transport across CF and normal murine olfactory and ciliated epithelium. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 296, C1301-C1309.	2.1	19
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26	Rat Nasal Lavage Biomarkers to Assess Preclinical Irritation Potential of Nasal Drug Formulations and Excipients. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 495-502.	1.6	6
27	Leptin-sensitive OBP-expressing mucous cells in rat olfactory epithelium: a novel target for olfaction-nutrition crosstalk?. <i>Cell and Tissue Research</i> , 2009, 338, 53-66.	1.5	17
28	Is propylene oxide induced cell proliferation in rat nasal respiratory epithelium mediated by a severe depletion of water-soluble non-protein thiol?. <i>Toxicology Letters</i> , 2009, 185, 203-210.	0.4	6
29	Expression and distribution patterns of the stem cell marker, nestin, and the stem cell renewal factor, BMI-1, in normal human nasal mucosa and nasal polyps. <i>Acta Oto-Laryngologica</i> , 2009, 129, 996-1001.	0.3	6
31	Preclinical models for pulmonary drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2009, 6, 1231-1245.	2.4	101
32	Neuropathology of the Olfactory Mucosa in Chronic Rhinosinusitis. <i>American Journal of Rhinology and Allergy</i> , 2010, 24, 110-120.	1.0	80
33	Topographical differences in distribution and responsiveness of trigeminal sensitivity within the human nasal mucosa. <i>Pain</i> , 2010, 151, 516-521.	2.0	51
34	Olfactory mucosa for transplant-mediated repair: A complex tissue for a complex injury?. <i>Glia</i> , 2010, 58, 125-134.	2.5	79
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36	Nasal Olfactory Epithelial Lesions in F344 and SD Rats Following 1- and 5-Day Inhalation Exposure to Naphthalene Vapor. <i>International Journal of Toxicology</i> , 2010, 29, 175-184.	0.6	19
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40	Spatial and temporal expression of CCR3 and the common beta chain of the IL-3, IL-5 and GM-CSF receptor in the nasal epithelium and lymphoid tissues in a rat model of allergic rhinitis. <i>Cytokine</i> , 2010, 52, 194-202.	1.4	12

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41	Effective induction of protective systemic immunity with nasally administered vaccines adjuvanted with IL-1. <i>Vaccine</i> , 2010, 28, 6901-6914.	1.7	34
42	Nasal Airways. , 2010, , 13-34.		0
43	Olfactory System. , 2010, , 263-276.		0
44	Inhaled aerosol particle dosimetry in mice: A review. <i>Inhalation Toxicology</i> , 2010, 22, 15-20.	0.8	12
45	Inhaled aerosol particle dosimetry in mice: A review. <i>Inhalation Toxicology</i> , 2010, 22, 1032-1037.	0.8	11
46	Determination of <i>N</i> <sup>2</sup> -Hydroxymethyl-dG Adducts in the Nasal Epithelium and Bone Marrow of Nonhuman Primates Following <sup>13</sup> CD <sub>2</sub> -Formaldehyde Inhalation Exposure. <i>Chemical Research in Toxicology</i> , 2011, 24, 162-164.	1.7	80
47	Dry Powder Vaccines for Mucosal Administration: Critical Factors in Manufacture and Delivery. <i>Current Topics in Microbiology and Immunology</i> , 2011, 354, 121-156.	0.7	15
48	Use of nasal cells in micronucleus assays and other genotoxicity studies. <i>Mutagenesis</i> , 2011, 26, 231-238.	1.0	43
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50	Scientific Opinion on Flavouring Group Evaluation 13, Revision 2 (FGE.13Rev2): Furfuryl and furan derivatives with and without additional side-chain substituents and heteroatoms from chemical group 14. <i>EFSA Journal</i> , 2011, 9, 2313.	0.9	17
51	Role of Reactive Oxygen and Nitrogen Species in Olfactory Epithelial Injury by the Sulfur Mustard Analogue 2-Chloroethyl Ethyl Sulfide. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011, 45, 323-331.	1.4	27
52	Evaluation of the Rabbit Nasal Cavity in Inhalation Studies and a Comparison with Other Common Laboratory Species and Man. <i>Toxicologic Pathology</i> , 2011, 39, 893-900.	0.9	25
53	The Tonsils Revisited: Review of the Anatomical Localization and Histological Characteristics of the Tonsils of Domestic and Laboratory Animals. <i>Clinical and Developmental Immunology</i> , 2011, 2011, 1-14.	3.3	96
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56	Nasal epithelial lesions in F344 rats following a 90-day inhalation exposure to naphthalene. <i>Inhalation Toxicology</i> , 2012, 24, 70-79.	0.8	14
57	Satratoxin-G from the Black Mold <i>Stachybotrys chartarum</i> Induces Rhinitis and Apoptosis of Olfactory Sensory Neurons in the Nasal Airways of Rhesus Monkeys. <i>Toxicologic Pathology</i> , 2012, 40, 887-898.	0.9	35
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60	Rapid Transepithelial Transport of Prions following Inhalation. <i>Journal of Virology</i> , 2012, 86, 12731-12740.	1.5	27
61	Drug development of intranasally delivered peptides. <i>Therapeutic Delivery</i> , 2012, 3, 557-568.	1.2	21
62	Applied Surgical Anatomy of the Nose. <i>Oral and Maxillofacial Surgery Clinics of North America</i> , 2012, 24, 25-38.	0.4	12
63	<i>Respiratory Tract.</i> , 2012, , 207-261.		2
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65	Mucosal Vaccines. <i>Current Topics in Microbiology and Immunology</i> , 2012, , .	0.7	2
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68	<i>From Mouse to Man: Translational Value of Animal Models of Allergic Rhinitis.</i> , 2012, , .		2
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76	Formaldehyde and Epigenetic Alterations: MicroRNA Changes in the Nasal Epithelium of Nonhuman Primates. <i>Environmental Health Perspectives</i> , 2013, 121, 339-344.	2.8	47

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84	The Nasal Complex of Neanderthals: An Entry Portal to their Place in Human Ancestry. <i>Anatomical Record</i> , 2014, 297, 2121-2137.	0.8	35
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86	The influences of age on olfaction: a review. <i>Frontiers in Psychology</i> , 2014, 5, 20.	1.1	434
87	Efficacy of intranasal administration of artesunate in experimental cerebral malaria. <i>Malaria Journal</i> , 2014, 13, 501.	0.8	20
88	A 26-Week Toxicity Assessment of AIR001 (Sodium Nitrite) by Inhalation Exposure in Rats and by Intravenous Administration in Dogs. <i>International Journal of Toxicology</i> , 2014, 33, 162-174.	0.6	6
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98	Viral vector delivery of neurotrophic factors for Parkinson's disease therapy. <i>Expert Reviews in Molecular Medicine</i> , 2015, 17, e8.	1.6	28
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106	Nose-to-Brain delivery of insulin for Alzheimer's disease. <i>ADMET and DMPK</i> , 2015, 3, .	1.1	23
107	Comparative Anatomy and Epithelial Cell Biology of the Nose. , 2015, , 7-19.		3
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112	A novel intranasal breath-powered delivery system for sumatriptan: a review of technology and clinical application of the investigational product AVP-825 in the treatment of migraine. <i>Expert Opinion on Drug Delivery</i> , 2015, 12, 1565-1577.	2.4	20
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119	Cell-based in vitro models for nasal permeability studies. , 2016, , 83-100.		7
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121	Relative vascular permeability and vascularity across different regions of the rat nasal mucosa: implications for nasal physiology and drug delivery. Scientific Reports, 2016, 6, 31732.	1.6	36
122	Nasal Tumorigenesis in B6C3F1 Mice Following Intraperitoneal Diethylnitrosamine. Toxicologic Pathology, 2016, 44, 913-916.	0.9	0
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136	Localization of the human neonatal Fc receptor (FcRn) in human nasal epithelium. Protoplasma, 2016, 253, 1557-1564.	1.0	27
137	Chirally Pure Prodrugs and Their Converting Enzymes Lead to High Supersaturation and Rapid Transcellular Permeation of Benzodiazepines. Journal of Pharmaceutical Sciences, 2016, 105, 2365-2371.	1.6	6
138	Ozone-Induced Nasal Type 2 Immunity in Mice Is Dependent on Innate Lymphoid Cells. American Journal of Respiratory Cell and Molecular Biology, 2016, 54, 782-791.	1.4	37



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140	Inhalation Exposure and Toxic Effects of Mycotoxins. <i>Fungal Biology</i> , 2016, , 495-523.	0.3	4
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143	Pharmacological, toxicological and neuronal localization assessment of galantamine/chitosan complex nanoparticles in rats: future potential contribution in Alzheimer's disease management. <i>Drug Delivery</i> , 2016, 23, 3111-3122.	2.5	76
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145	Mast Cell Deficiency Limits the Development of Chronic Rhinosinusitis in Mice. <i>Annals of Otolaryngology and Laryngology</i> , 2016, 125, 290-296.	0.6	6
147	Ozone-Induced Type 2 Immunity in Nasal Airways. Development and Lymphoid Cell Dependence in Mice. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 54, 331-340.	1.4	32
148	Olfactory Sensitivity for the Mammalian Blood Odor Component <i>Trans</i> -4,5-epoxy-(E)-2-decenal in CD-1 Mice. <i>Perception</i> , 2017, 46, 333-342.	0.5	9
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150	PEGylation prolongs the pulmonary retention of an anti-IL-17A Fab antibody fragment after pulmonary delivery in three different species. <i>International Journal of Pharmaceutics</i> , 2017, 521, 120-129.	2.6	25
152	Correlation Between Nasal Epithelial Injury and In Vitro Cytotoxicity Using a Series of Small Molecule Protein Tyrosine Phosphatase 1B Inhibitors Investigated for Reversal of Leptin Resistance in Obesity. <i>International Journal of Toxicology</i> , 2017, 36, 303-313.	0.6	1
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154	<i>Neisseria</i> models of infection and persistence in the upper respiratory tract. <i>Pathogens and Disease</i> , 2017, 75, .	0.8	38
155	Motile-Cilia-Mediated Flow Improves Sensitivity and Temporal Resolution of Olfactory Computations. <i>Current Biology</i> , 2017, 27, 166-174.	1.8	74
156	Intranasal Oxytocin and Vasopressin Modulate Divergent Brainwide Functional Substrates. <i>Neuropsychopharmacology</i> , 2017, 42, 1420-1434.	2.8	35
157	Intranasally administered IGF-1 inhibits spreading depression in vivo. <i>Brain Research</i> , 2017, 1677, 47-57.	1.1	16
158	Microbial Secondary Metabolites and Knowledge on Inhalation Effects. , 2017, , 213-234.		7

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160	Nasal aluminum (oxy)hydroxide enables adsorbed antigens to induce specific systemic and mucosal immune responses. <i>Human Vaccines and Immunotherapeutics</i> , 2017, 13, 2688-2694.	1.4	14
161	Intranasal Delivery of Topically-Acting Levofloxacin to Rats: a Proof-of-Concept Pharmacokinetic Study. <i>Pharmaceutical Research</i> , 2017, 34, 2260-2269.	1.7	5
162	Functional Morphology of the Olfactory Mucosa and Olfactory Bulb in Fossorial Rodents: The East African Root Rat ( <i>Tachyoryctes splendens</i> ) and the Naked Mole Rat ( <i>Heterocephalus glaber</i> ). <i>Tissue and Cell</i> , 2017, 49, 612-621.	1.0	11
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