done	issue	term label	Definition	Source	Comment
	missing_definition	normal phenotype			
	missing_definition	abnormal renal sympathetic nerve activity			
	missing_definition	increased renal sympathetic nerve activity			
	missing_definition	decreased renal sympathetic nerve activity			
done	missing_definition	absent hippocampus CA1 region			
done	missing_definition	absent hippocampus CA2 region			
done	missing_definition	abnormal hippocampus CA3 region morphology			
done	missing_definition	absent hippocampus CA3 region			
done	missing_definition	absent hippocampus CA4 region			
done	missing_definition	abnormal hippocampus granule cell layer			
	missing_definition	abnormal parafascicular nucleus morphology	any structural anomaly of part of the po	https://thesaurus.cancer.gov/ncitbrow	OK to use NCI thesaurus definition?
	missing_definition	abnormal paraventricular thalamic nucleus morphology			
	missing_definition	abnormal right lung cranial lobe morphology			
	missing_definition	abnormal right lung middle lobe morphology			
	missing_definition	abnormal right lung caudal lobe morphology			
done	missing_definition	abnormal submandibular lymph node morphology	any structural anomaly of the lymph noc	https://teachmeanatomy.info/neck/vessels/lymphatics/	
	missing_definition	abnormal olfactory lobe morphology			
	missing_definition	abnormal olfactory bulb glomerular layer morphology			
	missing_definition	abnormal olfactory bulb granule cell layer morphology			
	missing_definition	abnormal olfactory bulb internal plexiform layer morphology			
	missing_definition	abnormal olfactory bulb mitral cell layer morphology			
	missing_definition	abnormal cerebellum white matter morphology	?		See UBERON:0002317 def for white matter of cerebellum = Regional part of cerebellum consisting of the myelinated axons lying deep to the granule cell layer, excluding the deep cerebellar nuclei and the cerebellar peduncles; problem with cerebellar peduncles
	missing_definition	abnormal cerebellum vermis lobule I morphology			
	missing_definition	abnormal cerebellum vermis lobule II morphology			
	missing_definition	abnormal cerebellum vermis lobule III morphology			
	missing_definition	abnormal cerebellum vermis lobule IV morphology			
	missing_definition	abnormal cerebellum vermis lobule IX morphology			
	missing_definition	abnormal cerebellum vermis lobule V morphology			
	missing_definition	abnormal cerebellum vermis lobule VI morphology			
	missing_definition	abnormal cerebellum vermis lobule VII morphology			
	missing_definition	abnormal cerebellum vermis lobule VIII morphology			
	missing_definition	abnormal cerebellum vermis lobule X morphology			
	missing_definition	abnormal cerebellum vermis lobule VIIa morphology			
	missing_definition	abnormal cerebellum vermis lobule VIIb morphology			
	missing_definition	abnormal copula pyramidis morphology	copula of the pyramis refers to a part of	http://braininfo.rprc.washington.edu/c	RODENT SPECIFIC
	missing_definition	abnormal ansiform lobule morphology			
	missing_definition	abnormal ansiform lobule crus I morphology			
	missing_definition	abnormal ansiform lobule crus II morphology			
	missing_definition	abnormal paramedian lobule morphology			
	missing_definition	abnormal lobule simplex morphology			
	missing_definition	abnormal paraflocculus morphology			
	missing_definition	abnormal pulmonary alveolus wall morphology			
	missing_definition	abnormal hippocampus stratum lacunosum morphology			
	missing_definition	prolonged excitatory postsynaptic current decay time			
	missing_definition	short excitatory postsynaptic current decay time			
	missing_definition	abnormal kidney vasa recta morphology			
	missing_definition	abnormal inner renal medulla vasa recta morphology			
	missing_definition	abnormal kidney outer medulla vasa recta morphology			
	missing_definition	biventricular, discordant atrioventricular connection			
	missing_definition	biventricular, ambiguous atrioventricular connection			
done	missing_definition	balanced complete atrioventricular canal	a balanced atrioventricular septal defec	https://radiologykey.com/atrioventricular-septal-defects/	
done	missing_definition	unbalanced complete atrioventricular canal, left dominant	an unbalanced form of a complete atrio	https://clinicalgate.com/atrioventricular-septal-defect-echocardiographic-assessment/	
done	missing_definition	unbalanced complete common atrioventricular canal	an unbalanced complete atrioventricula	https://radiologykey.com/atrioventricular-septal-defects/	
	missing_definition	multiple major aortopulmonary collateral arteries			
	missing_definition	abnormal circulating interleukin-8 level			
	missing_definition	increased circulating interleukin-8 level			
	missing_definition	decreased circulating interleukin-8 level			
	missing_definition	abnormal interleukin-8 secretion			
	missing_definition	increased interleukin-8 secretion			
	missing_definition	decreased interleukin-8 secretion			
done	missing_definition	diaphragm muscle hyperplasia	overdevelopment or increased size of the diaphragm muscle, usually due an increased number of cells		
done	missing_definition	abnormal trophectoderm cell proliferation	any anomaly in the ability of a trophectoderm cell population to undergo expansion by cell division		
done	missing_definition	increased trophectoderm cell proliferation	increase in the expansion rate of a trophectoderm cell population by cell division		
done	missing_definition	decreased trophectoderm cell proliferation	decrease in the expansion rate of a trophectoderm cell population by cell division		
done	missing_definition	absent trophectoderm cell proliferation	failure of a trophectoderm cell population to undergo expansion by cell division		
	missing_definition	abnormal sulfoglycosphingolipid level	anomaly in the amount of any glycosph	https://www.lipidmaps.org/resources/l	CHECK DEFINITIONS FOR INCREASED/DECREASED CHILD TERMS
done	missing_definition	abnormal sphingolipid level	anomaly in the amount of any of a class	GO:0030148	
done	missing_definition	abnormal acidic glycosphingolipid level	anomaly in the amount of any of a subc	ISBN:9780444527462, https://connects.catalyst.harvard.edu/Profiles/display/Concept/Acidic%20Glycosphingolipids	
done	missing_definition	increased mammary gland tumor incidence in virgin females	greater than the expected number of neoplams in the mammary gland in female organisms that have never had sexual intercourse		
	missing_definition	abnormal alpha-fetoprotein level			
	missing_definition	decreased alpha-fetoprotein level			
	missing_definition	increased alpha-fetoprotein level			
	missing_definition	abnormal complement C5 level	any anomaly in the amount in the blood	https://en.wikipedia.org/wiki/Complem	Change term label to abnormal abnormal ciculating complement C5 level? all current annotations refer to plasma C5 levels (see J:227217, J:240426). Move under abnormal circulating complement protein level?
	missing_definition	decreased complement C5 level	reduction in the amount in the blood of t	https://en.wikipedia.org/wiki/Complem	see above
	missing_definition	increased complement C5 level	increase in the amount in the blood of th	https://en.wikipedia.org/wiki/Complem	See above
	missing_definition	abnormal glutathione reductase level	abnormal level of the NADPH-depende	https://www.sigmaaldrich.com/GR/en/	NEW TERM? Only see annotations to glutathione reductase activity (J:126781 and J:143747) not level. See aldo #1528
	missing_definition	decreased glutathione reductase level	reduced level of the NADPH-dependent flavoprotein that catalyzes the reduction of glutathione disulfide (GSSG) to glutathione (GSH); it is involved in the maintenance of glutathione levels, which is important for oxidation-reduction processes, detoxication and several other cellular functions		
	missing_definition	increased glutathione reductase level	increased level of the NADPH-dependent flavoprotein that catalyzes the reduction of glutathione disulfide (GSSG) to glutathione (GSH); it is involved in the maintenance of glutathione levels, which is important for oxidation-reduction processes, detoxication and several other cellular functions		
	missing_definition	decreased kidney glutathione reductase level	reduced level in the kidney of the NADPH-dependent flavoprotein that catalyzes the reduction of glutathione disulfide (GSSG) to glutathione (GSH)		
	missing_definition	increased kidney glutathione reductase level	increased level in the kidney of the NADPH-dependent flavoprotein that catalyzes the reduction of glutathione disulfide (GSSG) to glutathione (GSH)		
	missing_definition	increased phospholipase A2 level			
	missing_definition	decreased phospholipase A2 level			
	missing_definition	abnormal benz (alpha) pyrene hydroxylase activity			
	missing_definition	decreased benz (alpha) pyrene hydroxylase activity			
	missing_definition	increased benz (alpha) pyrene hydroxylase activity			
	missing_definition	abnormal urokinase activity			
	missing_definition	decreased urokinase activity			
	missing_definition	increased urokinase activity			
	missing_definition	abnormal catalase level			ACTIVITY VS LEVEL See issue MP issue #1519
	missing_definition	abnormal erythrocyte catalase level			
	missing_definition	abnormal kidney catalase level			
	missing_definition	decreased catalase level			
	missing_definition	decreased erythrocyte catalase level			
	missing_definition	decreased kidney catalase level			
	missing_definition	increased catalase level			
	missing_definition	increased erythrocyte catalase level			
	missing_definition	increased kidney catalase level			
	missing_definition	abnormal superoxide dismutase level			
	missing_definition	decreased superoxide dismutase level			
	missing_definition	increased superoxide dismutase level			
done	missing_definition	abnormal submandibular gland branching morphogenesis	anomaly in the process in which the bra	GO:1990632	
done	missing_definition	abnormal secondary palate morphology			
done	missing_definition	abnormal effector T cell number			
done	missing_definition	anastomosis between common carotid and vertebral artery	abnormal communication between the common carotid and the vertebral arte		Definition erroneously entered as an exact synonym (fixed)
	missing_definition	absent proximal internal carotid artery segment			
done	missing_definition	trigeminal neuroma	greater than the expected number of a	https://doi.org/10.1097/00006123-199	DMDD download; CHANGED TERM LABEL to increased trigeminal neuroma incidence. Added synonyms: trigeminal neuroma (related); increased trigeminal nerve neuroma incidence (exact) and made it an additional child of increased nervous system tumor incidence MP:0010281
done	missing_definition	seminal vesicle epithelium degeneration	a retrogressive impairment of function or destruction of the pseudostratified columnar epithelium that lines the seminal vesicles		
done	missing_definition	persistent right 6th pharyngeal arch artery	failure of right 6th pharyngeal arch artery regression		Definition erroneously entered as an exact synonym (fixed)
	missing_definition	abnormal vascular plexus formation			
	missing_definition	absent eye muscles			
	missing_definition	abnormal digastric muscle connection			
	missing_definition	abnormal olfactory bulb position			
	missing_definition	supratentorial ventricles enlargement			
	missing_definition	basal brain tissue herniation			
	missing_definition	absent lobe of thyroid gland			
	missing_definition	persistent cloacal membrane			is this the same as persistent cloaca MP:0003129?
done	missing_definition	abnormal perirectal tissue morphology	any structural anomaly of the tissue(s) surrounding the rectum		
	missing_definition	intraembryonal intestine elongation			
done	missing_definition	fusion of axis and occipital bones	union of elements of the second cervical vertebra (axis, C2) and the bone at the lower, posterior part of the skull into one structure		
	missing_definition	retro-esophageal left subclavian artery			
done	missing_definition	jugular vein stenosis	abnormal constriction or narrowing of a	UBERON:0004711	also amended def of parent term abnormal jugular vein morphology MP:0013872 based on UBERON:0004711
	missing_definition	abnormally deep median sulcus of tongue			why is this a direct child of increased tongue size MP:0009906?
	missing_definition	abnormal infrahyoid muscle connection			
	missing_definition	multiple persisting craniopharyngeal ducts			
	missing_definition	reduced sympathetic cervical ganglion size			
	missing_definition	absent connection between subcutaneous lymph vessels and lymph sac			
	missing_definition	blood in lymph vessels			see J:154975, J:225801 (no annotations) for blood-congested lymphatic vessels
done	missing_definition	occipital vertebra	rare anatomical variants resulting from i	https://radiopaedia.org/articles/occipital-vertebra?lang=us	
	missing_definition	abnormal hepatic vein connection			
	missing_definition	abnormal coronary vein connection			
	missing_definition	abnormal coronary sinus connection			
	missing_definition	abnormal left vena cava superior connection			
	missing_definition	symmetric azygos veins			
	missing_definition	abnormal carotid artery origin			
	missing_definition	abnormal subclavian artery origin			
	missing_definition	abnormal pulmonary artery origin	any anomaly in the location from which the pulmonary artery arises;		
	missing_definition	double lumen aortic arch			
	missing_definition	abnormal superior mesenterial vein connection			
	missing_definition	absent portal vein segment			
	missing_definition	symmetric hepatic veins			
done	missing_definition	abnormal common iliac artery origin	any anomaly in the location from which the common iliac arteries arise; normally, these two large arteries originate from the aortic bifurcation of the abdomainal aorta		
	missing_definition	persistent dorsal ophthalmic artery			
	missing_definition	abnormal external carotid artery origin			
done	missing_definition	abnormal vertebral artery origin	any anomaly in the location from which	https://doi.org/10.1093/qjmed/hcg003	definition incorrectly added as a synonym (fixed)
	missing_definition	embryo cyst	abnormal membranous sacs in any of the tissues of the embryo proper		??
	missing_definition	intramural bleeding in blood vessel wall	hemorrhage confined within the wall of a blood vessel		??
done	missing_definition	abnormal intestine placement			
done	missing_definition	abnormal preimplantation embryo morphology	any structural anomaly of an embryo between fertilization and implantation		added pre-implantation as a synonym to all relevant terms
	missing_definition	abnormal pancreatic duct epithelium physiology			
	missing_definition	abnormal pancreatic duct epithelial transmembrane transport			
	missing_definition	abnormal pancreatic duct epithelial chloride transmembrane transport			
	missing_definition	decreased pancreatic duct epithelial chloride transmembrane transport			
	missing_definition	increased pancreatic duct epithelial chloride transmembrane transport			
	missing_definition	abnormal pancreatic duct epithelial sodium ion transmembrane transport			
	missing_definition	increased pancreatic duct epithelial sodium ion transmembrane transport			
	missing_definition	decreased pancreatic duct epithelial sodium ion transmembrane transport			
	missing_definition	abnormal intestinal mucosa thickness			CHECK increased stomach mucosa thickness MP:0005211 ("greater than the normal depth or width of the of the mucous layer of the stomach wall"
	missing_definition	increased intestinal mucosa thickness			
	missing_definition	decreased intestinal mucosa thickness			
done	missing_definition	increased colon goblet cell number	increase in the number of goblet cells in the colon		
done	missing_definition	decreased colon goblet cell number	reduction in the number of goblet cells in the colon		
done	missing_definition	abnormal ileal goblet cell number	any anomaly in the number of goblet cells in the ileum		CHANGE PLACEMENT; term should be placed under abnormal ileal goblet cell morphology MP:0013797 (which needs to be made an additional child of abnormal ileum morphology MP:0002581)
done	missing_definition	increased ileal goblet cell number	increase in the number of goblet cells in the ileum		
done	missing_definition	decreased ileal goblet cell number	reduction in the number of goblet cells in the ileum		
done	missing_definition	abnormal alveolar macrophage physiology	any functional anomaly of the round, gr	CL:0000583	
		abnormal colon goblet cell number	any anomaly in the number of goblet cells in the colon		Term NOT included in OBO dashboard report. Definition for MP:0014220 found in Protege but not displayed on public MP Browser. Definition is displayed on both Ontobee and the OLS site (see MP issue #2913)