

Disease	Key references on stress exacerbation of disease	Disease Induction	Outcomes	Measures	Experimental readouts
anxiety disorders	humans: [1] [2] rodents: [3] [4] [5] [6] [7]	uncontrollable/unpredictable stress, acute or chronic restraint stress, maternal separation, early weaning/social isolation stress, social defeat stress, olfactory bulbectomy, chronic corticosterone administration or genetic susceptibility/transgenic	behavioural measures of anxiety	Elevated Plus Maze	% time spent in open arm
				Open Field Test	% time spent in center, total freezing time, rearing, defecation
				Light/Dark Box	% time in light side
				Social Interaction Test	% time spent interacting
asthma	humans: [8] [9] [10] [11] rodents: [12] [13] [14]	induced allergic airway inflammation: OVA/alum, House Dust Mite or papain	total cell number	total cell number in lung tissue or airspaces	cell count
			eosinophils	total cell number in lung tissue or airspaces	cell count
			cytokine levels	serum levels of IL-4, IL-5 and IFN- γ	protein levels (pg/mL, ug/mL) or mRNA expression ($\Delta\Delta$ CT values)
cancer	humans: [15] [16] [17-19] rodents: [20] [21] [22]	injected tumor cells “spontaneous” tumor development: transgenic animals, drug induced	tumor burden	tumor volume	mm ³
				tumor weight	in milligrams
				number of animals with tumors	cross tabulated tables or percentages
				metastasis	number of metastasis or cell count
				number of tumors	tumor count
cardiovascular disease	humans: [23] [24] [25] rodents: [26] [27] [28]	transgenic animals (apoE knockout) fed high fat or high cholesterol diets	intimal thickening	histological assessment	mm ² or % of lumen filled
			myocardial infarction incidence	sudden death	cross tabulated tables or percentages
major depression	humans: [29] [30] [31] rodents: [32] [33] [34] [35]	uncontrollable/unpredictable stress, acute or chronic restraint stress, maternal separation, early weaning/social isolation	anhedonia	sucrose preference	% sucrose/ total drinking volume
			helplessness	Forced-Swim Tests	total time immobile

		stress, social defeat stress, olfactory bulbectomy, chronic corticosterone administration or genetic susceptibility/transgenic		Tail Suspension Tests	total time immobile	
			hippocampal volume	volume measurements by MRI or histological sections	% of brain volume or total volume in mm ³	
stroke	humans: [36] [37] [38] rodents: [39] [40] [41]	surgical: middle cerebral artery occlusion (MCAO) model, photothrombotic stroke (Rose Bengal), endothelin-1	infarct volume	histological assessment (e.g. TTC, H&E)	mm ³ or % of hemisphere	
			motor and sensorimotor tests	composite scores (Benderson scale, Modified Neurological Severity Score, other scoring systems specified by the authors)	ordinal score data	
					Accelerated Rotarod	mean fall score (RPM) or score relative to baseline or latency to fall
					Ledge Tapered Beam Test	foot faults or distance traveled
					Pasta Test	number of paw adjustments
					Limb Placement Test	ordinal score data
			cognitive impairment	Morris Water Maze	% time spent in target quadrant or path length	
				Morris Water Maze (reversal learning)	% time spent in target quadrant or path length	
viral infections	humans: (44) [42] [43, 44] [45] [46]	infection with known viral quantities	viral load	viral load in relevant organ or blood (e.g. RT-PCR)	viral copy number	

	rodents: [47] [48] [49]		cytokine levels	serum or relevant organ levels of IL-1b, IL-6 and TNF α	protein levels (pg/mL, ug/mL) or mRNA expression ($\Delta\Delta$ CT values)
			weight loss	rodent weight	% change from baseline or total weight lost

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