

Table S1. Clinical Implication of Kynurenine Metabolites.

Organ	Clinical Implication	Disease Phenotype	Reference(s)
Brain	Cancer	Cancer	[1]
		Addiction	[2]
	Neurobehaviour	Bipolar	[3], [4],[5], [6]
		Depression	[5], [7], [8], [9]
		Schizophrenia	[6], [5], [10]
		ALS/MS	[11], [12]
	Neurodegenerative	Alzheimer's Disease	[13], [14]
		Dementia	[15]
		Parkinson's Disease	[16], [17]
		REVIEW	[18], [19]
		CNS and PNS disorders	[20]
	Neurological Illness	Migraine	[21], [22]
		Neurotransmission	[23]
		REVIEW	[24]
		Somatic Symptoms	[25]
Neuropathic Pain	Neuropathic Pain	[26], [27], [28]	
Breast	Cancer	Cancer	[29]
Heart	Cardiometabolic	Cardiometabolic	[30]
		Cardiovascular Disease	[31],[32], [33], [34]
Endocrine	Metabolism	Obesity	[35], [36]
		Gastrointestinal Disorders	[37]
Gastrointestinal	Gastrointestinal Regulation	Gut Homeostasis	[38], [39]
		Inflammatory Bowel Disease	[40]
		Endocrinopathies	[41]
Immune System	Immunity	Inflammation	[42], [43]
		SARS-CoV-2	[44], [45]
Kidney	Kidney Disease		[46], [47]
Liver	Cancer	Cancer	[48], [49]
		Energy Homeostasis	[50], [51]
	Metabolism	Inflammation	[52]
		Liver Cirrhosis	[53]
		Liver Fibrosis	[54]
MuscoSkeletal	MuscoSkeletal	Inflammation	[55]
		SARS-CoV-2	[56]
Placenta	Reproduction	Pregnancy	[57], [58], [59], [60]
	Reproductive Disorders	Preeclampsia	[61], [62]
REVIEW	Cancer		[63]
	Gerontology		[64]
	All disease phenotypes		[65], [66], [67]

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