

Cancer-associated cachexia – understanding the tumour macroenvironment and microenvironment to improve management

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Supplementary Table 1 | Clinical trials for cancer-associated cachexia

Trial name and NCT reference number	Phase	Status	Refs
PROACC-1 Study of the efficacy and safety of ponesegromab in patients with cancer, cachexia and elevated GDF-15 NCT05546476	II	Not yet recruiting	None
Multimodal program for cancer related cachexia prevention NCT04627376	Interventional	Recruiting	None
MYOCAC Skeletal muscle expression of myostatin and cancer of digestive system associated cachexia NCT03172403	Interventional	Terminated	None
Pilot clinical trial of repeated doses of macimorelin to assess safety and efficacy in patients with cancer cachexia NCT01614990	II	Completed	²⁰⁷
Study to assess the safety and tolerability of repeated doses of an investigational new drug in patients with cancer and cachexia NCT04299048	I	Completed	None
VitD Vitamin D and pre cachexia and cancer cachexia in epithelial ovarian cancer NCT04864431	Interventional	Recruiting	None
Association of genomic polymorphisms with cancer cachexia in subjects with panc adenocarcinoma NCT05376592	Observational	Recruiting	None
Retrospective review of cachexia in lung and gastrointestinal cancer patients NCT03606317	Observational	Active, not recruiting	None
Evaluating the combined intervention of nutritional supplementation (remune) and exercise in patients with cancer cachexia NCT04131426	I	Active, not recruiting	None
MENAC Multimodal intervention for cachexia in advanced cancer patients undergoing chemotherapy NCT02330926	III	Active, not recruiting	²⁰⁸
Mirtazapine versus megestrol acetate in treatment of anorexia-cachexia in advanced cancer patients NCT05380479	II	Recruiting	None
Ruxolitinib for cancer cachexia NCT04906746	Early phase I	Recruiting	None
Comparison between mirtazapine and megestrol for the control of anorexia-cachexia in cancer patients in palliative care NCT03283488	III	Completed	None
BCB Cachexie A clinico-biological database in cachexia in patients with colon cancer NCT05257135	Interventional	Recruiting	None
Nutrition education and quality of life in cancer cachexia NCT05262192	Interventional	Not yet recruiting	None
MS-20 on gut microbiota and risk/severity of cachexia in pancreatic cancer patients NCT04600154	Interventional	Recruiting	None
Frequency of cachexia in ambulatory cancer patients and psychological burden in patients and their primary caregivers NCT04090619	Observational	Recruiting	None
MEx Mitochondria preservation by exercise training: a targeted therapy for cancer and chemotherapy-induced cachexia NCT05028192	Observational	Enrolling by invitation	None

MIRACLE Effect of multi-modal intervention care on cachexia in patients with advanced cancer compared to conventional management NCT04907864	II	Recruiting	179
CurChexia The effect of curcumin for treatment of cancer anorexia-cachexia syndrome in patients with stage III-IV of head and neck cancer NCT04208334	II	Completed	209
The role of muscle cachexia in pancreatic cancer NCT02515513	Interventional	Recruiting	None
SERENITY Safety and efficacy of inhaled synthetic THC/CBD for improving physical functioning and for modulating cachexia progression in patients with advanced cancer and associated cachexia NCT04001010	III	Suspended	None
OnFX Study of onivyde and 5-FU in combination with xilonix for pancreatic cancer with cachexia NCT03207724	I	Completed	210
The investigation of the mechanism of cachexia occurrence for patients with gastrointestinal cancer NCT04594863	Observational	Not yet recruiting	None
Vitamin D for muscle metabolic function in cancer cachexia NCT03144128	Interventional	Completed	None
PanCax Evaluating weight stability of pancreatic cancer cachexia patients NCT02400398	Observational	Completed	None
PROXie Patient reported outcomes registry in patient with cancer cachexia NCT02983500	Observational	Completed	None
Safety, efficacy and pharmacokinetics of ALD518 in patients with non-small cell lung cancer-related fatigue and cachexia NCT00866970	II	Completed	None
MCACS100 Mirtazapine for treatment of cancer associated anorexia-cachexia NCT03254173	II/III	Completed	211
PRICC Psycho-educational and rehabilitative intervention for cancer cachexia NCT04153019	Interventional	Recruiting	None
Effect of gene polymorphisms on the pathogenesis of cancer cachexia NCT04131478	Observational	Recruiting	212
CacheMire Non-interventional study to assess the frequency of cachexia in patients with non-small cell lung cancer NCT02968979	Observational	Completed	None
CDNPAN Relation between cachexia, diabetes and perineural invasion in pancreatic cancer- biomarkers substudy NCT03042442	Observational	Completed	None
A multicenter real world study of kanglaite for cancer cachexia NCT03631459	Observational	Unknown status	None
The role of ghrelin in cancer cachexia NCT01505764	II	Terminated	None
Role of Activin A (ActA) in the Human Cancer Cachexia NCT01604642	Interventional	Completed	213
NUMANCAN The role of the muscle-nervous system interface in cancer cachexia NCT03477721	Observational	Unknown status	None
Pilot project for cardiopulmonary and functional evaluation in patients with pancreatic cancer associated cachexia NCT02580422	Observational	Terminated	None

ROMANA 2 Safety and efficacy of anamorelin HCl in patients with non-small cell lung cancer-cachexia NCT01387282	III	Completed	134
ROMANA 1 Safety and efficacy of anamorelin HCl in patients with non-small cell lung cancer-cachexia NCT01387269	III	Completed	134
ROMANA 3 Anamorelin HCl in the treatment of non-small cell lung cancer-cachexia (NSCLC-C): an extension study NCT01395914	III	Completed	214
Study of branched-chain amino acids in cancer cachexia NCT03253029	Interventional	Withdrawn	None
Lenalidomide for lean body mass and muscle strength in inflammatory cancer cachexia syndrome NCT01127386	I/II	Completed	215
Individual dose-escalated bi-daily subcutaneously (sc) ghrelin in cancer cachexia: a phase I/II study NCT00933361	I/II	Completed	216
Cachexia in gynecological cancer and the preventive role of weight training NCT03200639	Interventional	Completed	217– 220
A pilot study of eicosapentaenoic acid (EPA) in patients with cancer cachexia NCT00815685	Interventional	Completed	None
A prospective, randomized, controlled, multicenter study of kanglaite injection for the treatment of cancer cachexia NCT00815685	IV	Unknown status	None
Is clarithromycin a potential treatment for cachexia in people with lung cancer? NCT02416570	II	Terminated	None
Multimodal treatment strategy for cancer cachexia NCT00625742	Interventional	Terminated	None
NUTRIOM Effect of Omega-3 supplements on the prevention of cachexia in head and neck cancer treated with radio(chemo)therapy NCT01596933	II/III	Completed	221
Impact of nutritional intervention in indian female cancer cachexia patients NCT02350855	II	Completed	222
A clinical study with MT-102 in subjects with cancer cachexia NCT01238107	II	Completed	None
Study of GTx-024 on muscle wasting (cachexia) cancer NCT00467844	II	Completed	158
Cyproheptadine and megestrol in preventing weight loss in children with cachexia caused by cancer or cancer treatment NCT00066248	II	Completed	None
Placebo controlled, randomized safety and efficacy study of RC-1291 in cancer NCT00378131	II	Completed	None
Placebo controlled, randomized safety and efficacy study of RC-1291 in cancer anorexia/cachexia NCT00267358	II	Completed	132
Effect of exercise training on angiogenesis and cachexia in lung cancer patients NCT01136083	Interventional	Completed	None
Open label study with OHR/AVR118 in advanced cancer patients with anorexia-cachexia NCT01206335	II	Unknown status	None

Low antioxidant diet in controlling cachexia in patients with oropharyngeal cancer receiving chemotherapy and radiation therapy NCT00486304	I	Completed	None
Pilot study of APD209 in cancer cachexia NCT00895726	II	Completed	156
A study of the safety and effectiveness of infliximab (Remicade) in patients with pancreatic cancer related cachexia NCT00060502	II	Completed	None
Etanercept in treating cancer-related cachexia and anorexia in patients with advanced cancer NCT00046904	III	Completed	None
Insulin treatment in cancer cachexia NCT00329615	IV	Completed	223

Supplementary references

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