

Appendix 1: Search strategy conducted in Embase (via OVID)

Search conducted 3rd October 2024

- 1 stem cell transplant.mp. (30450)
- 2 exp stem cell transplantation/ (204861)
- 3 exp hematopoietic stem cell transplantation/ (95141)
- 4 haematopoietic stem cell transplantation.mp. (5630)
- 5 umbilical cord blood transplantation.mp. (1553)
- 6 cord blood stem cell transplantation/ (7246)
- 7 bone marrow transplantation/ (57121)
- 8 autologous bone marrow transplantation/ (6393)
- 9 bone marrow cell transplantation.mp. (263)
- 10 bone marrow grafting transplantation.mp. (0)
- 11 bone marrow cancer/ (2836)
- 12 allogeneic stem cell transplantation/ (20124)
- 13 autologous stem cell transplantation/ (22356)
- 14 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 (276295)
- 15 prehabilitation.mp. (2980)
- 16 preoperative exercise/ (2020)
- 17 multimodal prehabilitation.mp. (303)
- 18 before.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word] (2242282)
- 19 prior.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word] (1293136)
- 20 rehabilitation conditioning.mp. (6)
- 21 aerobic exercise/ or exercise/ (387571)
- 22 fitness/ (45249)
- 23 transplantation conditioning/ (2967)
- 24 physical activity/ (241264)
- 25 transplant conditioning.mp. (1006)
- 26 multimodal exercise.mp. (285)
- 27 resistance training/ (30610)
- 28 strength training.mp. (9843)
- 29 training/ (129021)
- 30 mobility.mp. (289567)
- 31 function.mp. (4454552)
- 32 movement.mp. or "movement (physiology)"/ (514646)
- 33 rehabilitation/ or cancer rehabilitation/ or functional training/ or muscle training/ or pediatric rehabilitation/ (119668)
- 34 physiotherapy/ or pediatric physiotherapy/ (114239)
- 35 physical therapy.mp. (42603)
- 36 exp kinesiotherapy/ (107528)
- 37 exercise intervention.mp. (9292)
- 38 exercise program.mp. (16787)
- 39 structured physical activity.mp. (342)
- 40 preoperative exercise/ or prehabilitation exercise.mp. (2048)
- 41 physical exercise interventions.mp. (245)
- 42 nutritional support/ (24776)
- 43 enteric feeding/ (43149)
- 44 parenteral nutrition/ (36632)
- 45 gastrostomy/ (14637)
- 46 nutrition therapy.mp. or diet therapy/ (69308)
- 47 dietetics/ (6631)
- 48 dietitian/ (19507)
- 49 diet/ (264562)
- 50 food/ (82033)
- 51 health behavior/ (85095)
- 52 smoking cessation/ (72961)
- 53 health behavior/ or behavior change/ (136919)
- 54 psychological aspect/ or psychological interactions.mp. (490888)
- 55 behavioural counselling.mp. or counseling/

- (84057)
- 56** 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28 or 29 or 30 or 31 or 32 or 33 or 34 or 35 or 36 or 37 or 38 or 39 or 40 or 41 or 42 or 43 or 44 or 45 or 46 or 47 or 48 or 49 or 50 or 51 or 52 or 53 or 54 or 55 (9566082)
- 57** clinical status.mp. (28461)
- 58** "length of stay"/ (299383)
- 59** bed days.mp. (4872)
- 60** side effect/ (403613)
- 61** "quality of life"/ (689264)
- 62** daily life activity/ or activities of daily life.mp. (125766)
- 63** activities of daily living.mp. (55129)
- 64** long term effects.mp. (52781)
- 65** late effects.mp. (11515)
- 66** exercise recovery/ or recovery.mp. (809062)
- 67** functional recovery.mp. (39338)
- 68** functional assessment/ or functional mobility.mp. (77354)
- 69** motor performance/ (97958)
- 70** nutritional status/ (88286)
- 71** body weight gain/ or body weight change/ or body weight loss/ or body weight variation/ or body weight/ or body weight management/ or body weight maintenance/ or body weight control/ or molecular weight/ or weight/ or muscle weight/ or body weight fluctuation/ (794847)
- 72** body composition/ (84812)
- 73** body size/ (32023)
- 74** body mass/ (704180)
- 75** height/ or body height/ (142964)
- 76** growth/ or linear growth.mp. (40939)
- 77** body composition/ (84812)
- 78** muscle mass/ (43008)
- 79** fat free mass/ (8290)
- 80** fat mass/ (26728)
- 81** deconditioning/ (820)
- 82** endurance/ (29154)
- 83** cardiorespiratory fitness/ (10342)
- 84** cardiac function.mp. or heart function/ (115236)
- 85** cardiac ejection.mp. (968)
- 86** fraction.mp. (681309)
- 87** fractional.mp. (114389)
- 88** fractional shortening/ (3262)
- 89** strength/ (11272)
- 90** prevention/ (317971)
- 91** preventative.mp. (32268)
- 92** graft preservation/ or preservation/ (22441)
- 93** 57 or 58 or 59 or 60 or 61 or 62 or 63 or 64 or 65 or 66 or 67 or 68 or 69 or 70 or 71 or 72 or 73 or 74 or 75 or 76 or 77 or 78 or 79 or 80 or 81 or 82 or 83 or 84 or 85 or 86 or 87 or 88 or 89 or 90 or 91 or 92 (4951593)
- 94** 14 and 56 and 93 (26798)
- 95** limit 94 to (infant or child or preschool child or school child or adolescent) (4712)
- 96** from 95 keep 8,195,204,237,278,313,339 (7)
- 97** from 95 keep 1465,2606 (2)
- 98** from 95 keep 2987,3400 (2)
- 99** 96 or 97 or 98 (11)
- 100** 14 and 15 (39)
- 101** 99 or 100 (50)
- 102** from 101 keep 2-10,17,21-22,24-26,28-29,31,33-36,38,40-42,44,46 (28)