**Additional file 1**

**Provisional search strategy**

#1 MeSH descriptor: [Dietary Supplements] explode all trees  
#2 MeSH descriptor: [Micronutrients] explode all trees  
#3 MeSH descriptor: [Dietary Proteins] explode all trees  
#4 MeSH descriptor: [Dietary Carbohydrates] explode all trees  
#5 MeSH descriptor: [Dietary Fats] explode all trees  
#6 MeSH descriptor: [Energy Intake] explode all trees  
#7 (diet\* near/3 (supplement\* or fortification or capsule\* or tablet\* or liquid\*)):ti,ab,kw  
#8 (nutrient\* near/3 (supplement\* or fortification or capsule\* or tablet\* or liquid\*)):ti,ab,kw  
#9 ((micronutrient\* or micro-nutrient\* or vitamin\* or multivitamin\* or mineral\* or trace next element\* or zinc or iodine or iron or cobalt or chromium or copper or manganese or fluoride or sodium or selenium or molybdenum) near/3 (supplement\* or fortification or capsule\* or tablet\* or liquid\*)):ti,ab,kw  
#10 ((macronutrient\* or macro-nutrient\* or protein\* or amino next acid\* or carbohydrate\* or calorie\* or energ\* or fat\* or lipid\*) near/3 (supplement\* or fortification or capsule\* or tablet\* or liquid\*)):ti,ab,kw  
#11 ((food or diet) near/3 (intake or fortif\*)):ti,ab,kw  
#12 (or #1-#11)  
#13 MeSH descriptor: [Surgical Wound Infection] explode all trees  
#14 MeSH descriptor: [Surgical Wound Dehiscence] explode all trees  
#15 (surg\* near/5 infect\*):ti,ab,kw  
#16 (surg\* near/5 wound\*):ti,ab,kw  
#17 (surg\* near/5 site\*):ti,ab,kw  
#18 (surg\* near/5 incision\*):ti,ab,kw  
#19 (surg\* near/5 dehisc\*):ti,ab,kw  
#20 (wound\* near/5 dehisc\*):ti,ab,kw  
#21 (wound\* near/5 infect\*):ti,ab,kw  
#22 (wound\* near/5 disrupt\*):ti,ab,kw  
#23 (wound next complication\*):ti,ab,kw  
#24 SSI:ti,ab,kw  
#25 (or #13-#24)  
#26 (and #12, #25) in Trials