able oo.	. Cililical ev	idelice p	rome. comp	ai 15011 Z. I.	nign dose	PERI versus	low dose i	LIXI	Cilliare	711		
Quality assessment						No of patients		Effect				
No of studie s	Design	Risk of bias	Inconsisten cy	Indirectne ss	Imprecisi on	Other consideratio ns	High dose PERT	Low dose PER T	Relati ve (95% CI)	Absolute	Quality	Importan ce
Faecal fat excretion (FFE) (follow-up 14 days; measured with: g/kg/day; Better indicated by lower values)												
1 (Brady 1991) <sup>1</sup>	randomis ed trials <sup>2</sup>	serious <sup>3</sup>	no serious inconsisten cy	very serious <sup>4,a</sup>	not calculabl e <sup>5</sup>	Other <sup>6</sup>	9		-	MD 0.141 lower (0.253 to 0.029 lower)	VERY LOW	CRITICAL
Faecal	Faecal fat excretion (FFE) (follow-up 14 days; measured with: % of intake , or co						sumed fat tl	hat is ex	creted;	Better indicate	ed by lower	values)
1 (Brady 1991) <sup>1</sup>	randomis ed trials <sup>2</sup>	serious <sup>3</sup>	no serious inconsisten cy	very serious <sup>4</sup>	not calculabl e <sup>5</sup>	Other <sup>6</sup>	9 Mean±SEM <sup>5</sup> 8.7±2.2 <i>versus</i> 13±3.06		-	-	VERY LOW	CRITICAL
Faecal fat excretion (FFE) (follow-up 9 days; measured with: g/day; Better indicated by lower values)												
2 (Brady 1991 <sup>1</sup> , Beker 1994 <sup>3</sup> )	randomis ed trials <sup>2</sup>	serious <sup>7</sup>	no serious inconsisten cy	very serious <sup>4,a</sup>	Not calculabl e <sup>5</sup>	none	30		-	MD 5 lower (8.877 to 1.123 lower)	VERY LOW	CRITICAL
Faecal fat excretion (FFE) (follow-up 4 weeks; measured with: g/day; Better indicated by lower values)												
1	randomis ed trials <sup>2</sup>	serious <sup>9</sup>	no serious inconsisten cy	very serious <sup>4,a</sup>	serious <sup>10</sup>	none <sup>11</sup>	12 Mean±SD <sup>9</sup>		-	ns	VERY LOW	CRITICAL

Quality assessment						No of patients		Effect				
No of studie s	Design	Risk of bias	Inconsisten cy	Indirectne ss	Imprecisi on	Other consideratio ns	High dose PERT	Low dose PER T	Relati ve (95% CI)	Absolute	Quality	Importan ce
(Mitch ell 1982) <sup>8</sup>							8.7±4.1 <i>versus</i> . 11.5±6.9					
Fat abs	orption (CF	A) (follow-	up 4 weeks; n	neasured wit	h: % of inta	ke or consume	ed fat that is	absorb	ed; Bette	er indicated by	y higher val	ues)
1 (Mitch el 1982) <sup>8</sup>	randomis ed trials <sup>2</sup>	serious <sup>9</sup>	no serious inconsisten cy	very serious <sup>4</sup>	very serious <sup>12</sup>	none <sup>11</sup>	12 Mean±SEM <sup>11</sup> 89.5±4.2 <i>versus</i> . 85.4±11.26		-	-	VERY LOW	CRITICAL
Fat abs	Fat absorption (CFA) (follow-up 9 days; measured with: % of intake; Better indicated by higher values)											
1 (Beker 1984) <sup>3</sup>	randomis ed trials <sup>2</sup>	serious <sup>1</sup>	no serious inconsisten cy	very serious <sup>4</sup>	very serious <sup>12</sup>	none <sup>14</sup>	21 Mean±SEM <sup>11</sup> 91.2±1.6 <i>versus</i> . 86.2±3.2		-		VERY LOW	CRITICAL
Stool fr	equency (fo	llow-up 4	weeks; meası	red with: bo	wel movem	ents/ day, self-	report; Bett	er indic	ated by I	ower values)		
1 (Mitch el 1982) <sup>8</sup>	randomis ed trials <sup>2</sup>	serious <sup>9</sup>	no serious inconsisten cy	very serious <sup>4</sup>	no serious imprecisi on	none <sup>11</sup>	12			MD 0.1 lower (0.189 lower to 0.011 higher)	VERY LOW	CRITICAL
Abdom	inal pain (fo	llow-up 4	weeks; assess	sed with: sel	f-report; Be	tter indicated b	y lower valu	ues)				
1 (Mitch ell 1982) <sup>8</sup>	randomis ed trials <sup>2</sup>	serious <sup>9</sup>	no serious inconsisten cy	very serious <sup>4</sup>	Not calculabl e <sup>15</sup>	none <sup>11</sup>	-	-	-	The study reports that there were no differences between the groups <sup>15</sup>	VERY LOW	CRITICAL

Quality assessment							No of patients		Effect			
No of studie s	Design	Risk of bias	Inconsisten cy	Indirectne ss	Imprecisi on	Other consideratio ns	High dose PERT	Low dose PER T	Relati ve (95% CI)	Absolute	Quality	Importan ce
Advers	Adverse events (constipation, elevation in serum uric acid levels) (follow-up 9 days; assessed with: self-report; Better indicated by lower values)											
1 (Beker 1994) <sup>3</sup>	randomis ed trials <sup>2</sup>	serious <sup>1</sup>	no serious inconsisten cy	very serious <sup>4</sup>	Not calculabl e <sup>15</sup>	none <sup>14</sup>	0/21 (0%)	0/21 (0%)	-	No episodes were observed <sup>15</sup>	VERY LOW	CRITICAL

Abbreviations: CFA: coefficient of fat absorption; CI: confidence interval; FFE: faecal fat excretion; g: grams; kg: kilogrammes; MD: mean difference; ns: not significant; PERT: pancreatic endocrine enzyme therapy; SEM: standard error of measurement

- a. The method of measuring fat excreted is inaccurate, as it does not take into account fat intake. The evidence could not be downgraded further for indirectness.
- 1 Cross-over trial
- 2 Treatment details: high-dose 12 (8 to 18) & low-dose 3 (2 to 5) capsules per meal. Constituent enzymes per capsule: 7.020u of lipase. Daily fat intake (g) 94±6 in both groups.
- 3 Treatment details: high-dose: 1500u lipase per kg/body for meals & 750u lipase per kg/body for snacks. Low-dose: 500u lipase per kg/body for meals & 250u lipase per kg/body for snacks. Daily fat intake (g): 100g in both groups.
- 4 The quality of the evidence was downgraded by 2 as these doses are not used in current practice. Low-dose is in fact very low dose, and high-dose is just low-dose 5 Imprecision could not be calculated, as SD was not available for the control group
- 6 Reporting bias not detected, although funding not reported. Evidence downgraded by 1 due to small sample (n=9)
- 7 The quality of the evidence was downgraded by 1 due to unclear randomization and concealment in both studies.
- 8 Treatment details: high-dose 22 capsules/day & low-dose 11 capsules/ day Pancrease®. Constituent enzymes per capsule 4,000 USNF lipase units; 25,000 USNF protease units; 20,000 amylase units.
- 9 The quality of the evidence was downgraded by 1 due to unclear randomization and concealment. It is unclear if blinding was done, but given the outcome this may not have an impact.
- 10 The quality of the evidence was downgraded by 1 as the results are poorly reported: authors do not report p-value and MD cannot be calculated
- 11 Reporting bias not detected, although Pancrealipase capsules were provided by Ethnor Pty Ltd.
- 12 The quality of the evidence was downgraded by 2 due to the quality of the statistical analysis. Means are provided instead of medians, although it is not normally distributed, therefore differences cannot be calculated as it is not appropriate.
- 13 The quality of the evidence was downgraded by 1 because it is an open-label study.
- 14 Reporting bias not detected, although the study is partly funded by a grant from Johnson Pharmaceutical.
- 15 Imprecision cannot be calculated.