

**Appendix S5. Studies on diastasis repair with concomitant primary ventral hernias (KQ 8)**

*Table S1. Studies on diastasis repair with concomitant primary ventral hernias*

<b>Study (ref. nº)</b>	<b>Year</b>	<b>RD</b>	<b>Hernia</b>	<b>Technique</b>	<b>Results</b>
<b>Barchi (84)</b>	2018	17 of 21	Small midline incisional and epigastric or umbilical	endoscopic subcutaneous dissection + plication + onlay mesh	not described separately / 1 minor umbilical infection / 1 seroma / 1 mesh explant
<b>Claus (85)</b>	2018	48	31 single hernia / 17 multiple	endoscopic subcutaneous dissection + plication + onlay mesh	3 without mesh / 1 recurrence / 15 seromas / 1 SSI
<b>Juarez (86)</b>	2019	50	All midline defects	endoscopic subcutaneous dissection + plication + onlay mesh	no recurrence / higher satisfaction / lower pain scores / 1 seroma
<b>Köckerling (87)</b>	2017	140	Umbilical and/or epigastric	endoscopic subcutaneous dissection + plication + onlay mesh	no recurrence / 9 impaired wound healing / 6 seromas / 26 pain
<b>Köhler (88)</b>	2018	20	Umbilical and/or epigastric	subcutaneous dissection + plication + onlay absorbable mesh	no recurrence / 2 seromas / 1 pain
<b>Li (89)</b>	2018	8 of 26	Umbilical	endoscopic retromuscular dissection + plication + retromuscular mesh	not described separately / 1 seroma
<b>Fiori (90)</b>	2020	16 of 26	Umbilical	Endoscopic plication + retromuscular mesh	No recurrences/improvement QoL
<b>Carrara (91)</b>	2019	14	Midline defects	Endoscopic plication with linear stapler + retromuscular mesh	No complications/ no recurrences
<b>Bellido (41)</b>	2015	21	17 umbilical / 3 epigastric / 1 supra-umbilical	endoscopic subcutaneous dissection + preperitoneal mesh + plication	no recurrence / higher satisfaction / lower back pain / 5 seromas / 2 subcutaneous emphysema
<b>Cheeseborough (79)</b>	2015	32	27 midline hernia/5 RD alone	Abdominoplasty + retrorectus mesh + plication	No recurrence after 471 average days' follow up
<b>Bezama (92)</b>	2017	36	Umbilical hernias	open preperitoneal mesh	1 early recurrence (complete remission at late

					follow-up)
<b>Privett (93)</b>	2016	173	Umbilical < 4cm	open preperitoneal self-fixating mesh	2 recurrences
<b>Yurasov (94)</b>	2014	374	Umbilical	open sutured hernia repair (Mayo/Sapzhko) and open plication (Championnire/Askerhanov) or retromuscular mesh	less complications using mesh
<b>Tuominen (95)</b>	2019	19 of 37	Midline hernia	Open plication with a strip of autoadhesive polypropylene mesh over RD	1 recurrence/2 hematomas/2 wound infection High satisfaction
<b>Van Schalkwyk (96)</b>	2018	10	Umbilical	laparoscopic mesh repair of hernia and open plication during open abdominoplasty	no recurrences