Fig. 1 Forest plot of comparison PT vs. ST

Fig. 1 a) Outcome: Major intraprocedural bleeding

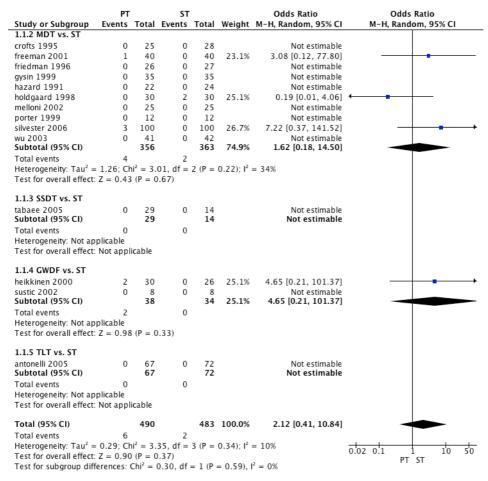


Fig. 1 b) Outcome: Tracheal stenosis

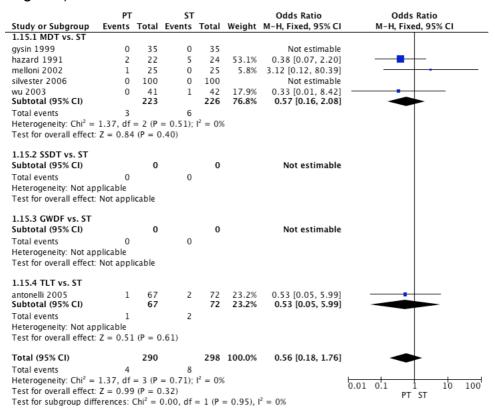


Fig. 1 c) Outcome: Hospital survival

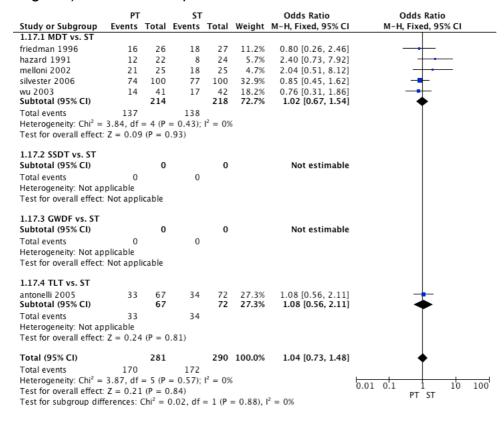


Fig. 1 d) Outcome: Duration of procedure

,						•			
		PT			ST			Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	IV, Random, 95% CI
1.18.1 MDT vs. ST									
freeman 2001	20.1	2	40	41.7	3.9	40	10.5%	-21.60 [-22.96, -20.24]	•
friedman 1996	8.2	4.9	26	33.9	14	27	9.7%	-25.70 [-31.31, -20.09]	
gysin 1999	18.2	11.2	35	15.8	5.5	35	10.1%	2.40 [-1.73, 6.53]	 • -
hazard 1991	4.3	2.2	22	13.5	7.3	24	10.3%	-9.20 [-12.26, -6.14]	
holdgaard 1998	0	0	0	0	0	0		Not estimable	
melloni 2002	14	6	25	41	14	25	9.6%	-27.00 [-32.97, -21.03]	
porter 1999	15.4	3.8	12	25.2	9.5	12	9.7%	-9.80 [-15.59, -4.01]	 -
silvester 2006	20	0	100	17	0	100		Not estimable	
wu 2003	22	12.1	41	41.5	5.9	42		-19.50 [-23.61, -15.39]	
Subtotal (95% CI)			301			305		-15.69 [-22.96, -8.43]	•
Heterogeneity: Tau ² =					6 (P	< 0.00	001); $I^2 =$	97%	
Test for overall effect:	Z = 4.2	3 (P <	0.000	1)					
1.18.2 SSDT vs. ST									
tabaee 2005	8	0	29	236	0	14		Not estimable	
Subtotal (95% CI)			29			14		Not estimable	
Heterogeneity: Not ap									
Test for overall effect:	Not app	olicable	2						
1.18.3 GWDF vs. ST									
	11 12	c 4	20	144		26	10.30/	3 37 (6 53 , 0 03)	
heikkinen 2000	11.13		30 8		6 7	26	10.2% 9.5%	-3.27 [-6.52, -0.02]	. ~
sustic 2002 Subtotal (95% CI)	8	6	38	21	/	8 34	19.7%	-13.00 [-19.39, -6.61] -7.73 [-17.23, 1.77]	
Heterogeneity: Tau ² =	40.65	Ch:2		J6 1	(D _ (
Test for overall effect:				at = 1	(P = (J.008);	1 = 86%		
rest for overall effect:	Z = 1.5	9 (P =	0.11)						
1.18.4 TLT vs. ST									
antonelli 2005	17	10	67	22	6	72	10.3%	-5.00 [-7.77, -2.23]	
Subtotal (95% CI)	1/	10	67		0	72	10.3%	-5.00 [-7.77, -2.23]	<u> </u>
Heterogeneity: Not ap	nlicable		٠,			,-	10.5/0	5.00 (7.77, 2.25)	•
Test for overall effect:		4 (P =	0.000	4)					
rest for overall effect:	2 = 3.3	4 (P =	0.000	4)					
Total (95% CI)			435			425	100.0%	-13.06 [-19.37, -6.76]	•
,	08 33.	Chi² -		2 df -	Q (P			,	
Heterogeneity: Tau ² = 98.33; Chi ² = 310.12, df = 9 (P < 0.00001); l ² = 97% Test for overall effect: Z = 4.06 (P < 0.0001)							-20-10 0 10 20		
Test for subgroup diffe					/P =	0.037	2 - 72 89	×	PT ST
rescioi sungroup alli	erences.	. CIII =	- 1.55,	u1 = Z	(r =	U.U <i>D</i> /,	- /2.07	TO .	

Fig 1 e) Outcome: Minor postprocedural bleeding

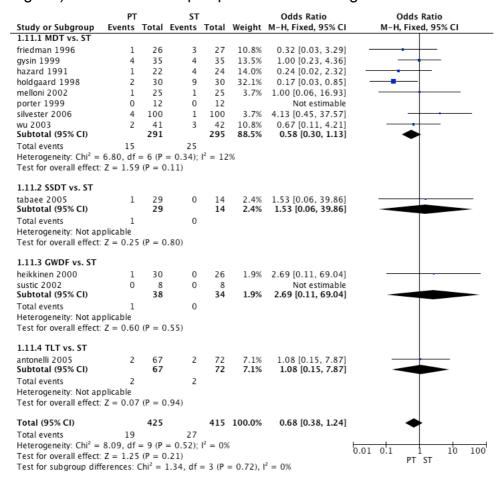


Fig. 1 f) Outcome: Minor intraprocedural bleeding

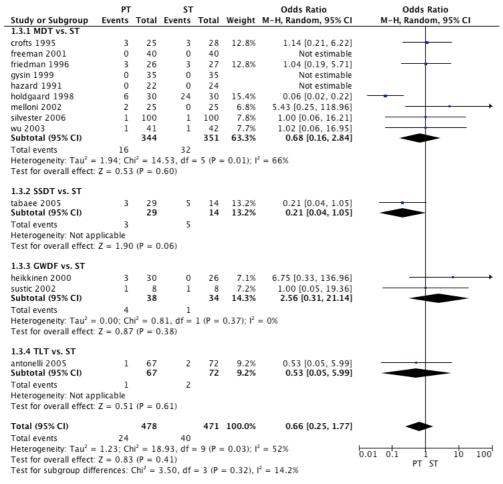


Fig. 1 g) Outcome: False route

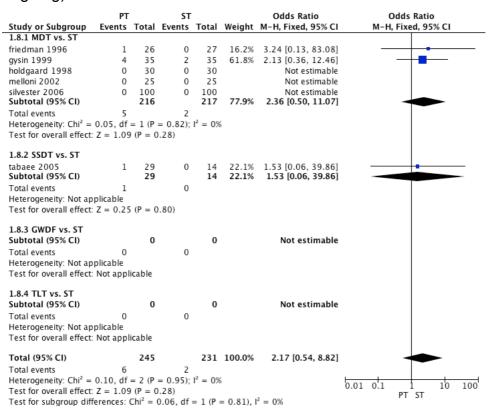


Fig. 1 h) Outcome: Subcutaneous emphysema

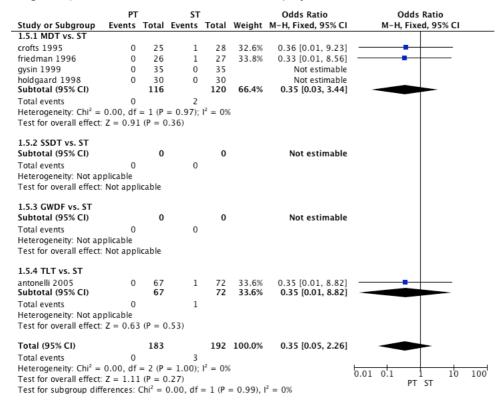


Fig. 1 i) Outcome: Pneumothorax

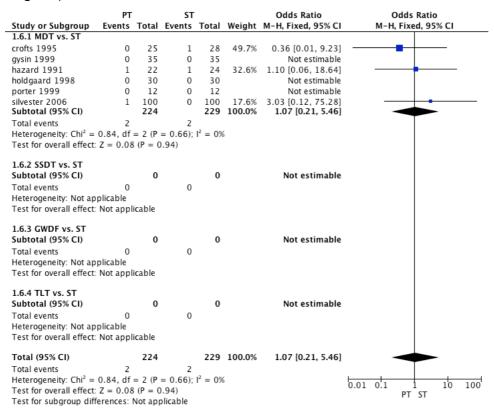


Fig. 1 j) Outcome: Desaturation

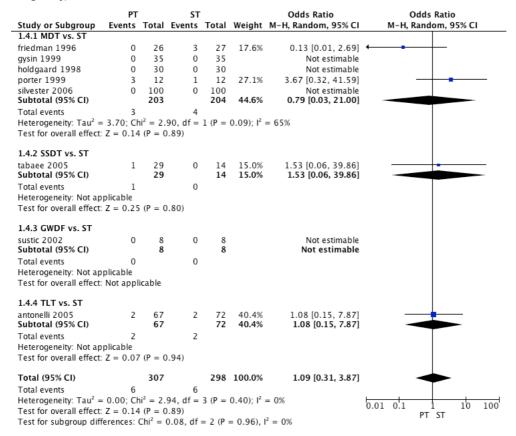


Fig. 2 Forest plot of comparison MDT/ SSDT vs. RDT/ BDT/ GWDF

Fig. 2 a) Outcome: Major intraprocedural bleeding

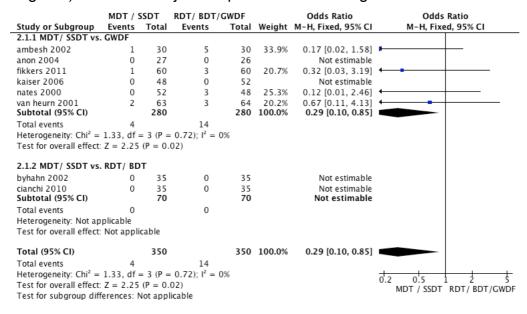


Fig. 2 b) Outcome: Tracheal stenosis

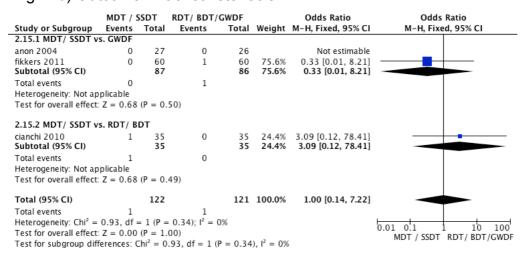


Fig. 2 c) Outcome: Hospital survival

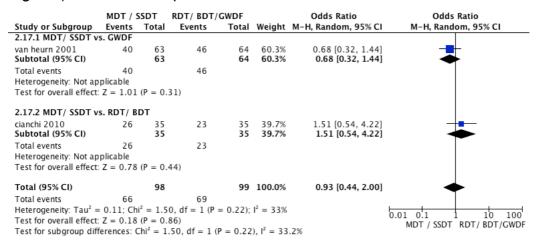


Fig. 2 d) Outcome: Duration of procedure

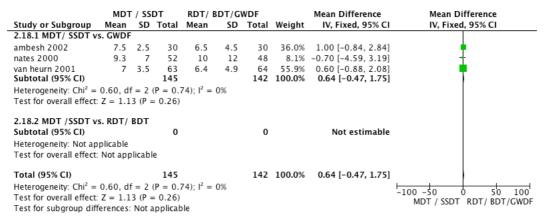


Fig 2 e) Outcome: Minor postprocedural bleeding

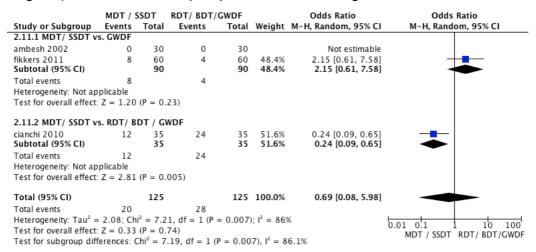


Fig. 2 f) Outcome: Minor intraprocedural bleeding

	MDT / SSDT		RDT/ BDT	/GWDF		Odds Ratio	Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% CI	M-H, Random, 95% CI
2.3.1 MDT/ SSDT vs.	GWDF						
anon 2004	2	27	1	26	11.2%	2.00 [0.17, 23.49]	
fikkers 2011	7	60	11	60	27.6%	0.59 [0.21, 1.64]	
kaiser 2006	17	48	6	52	27.4%	4.20 [1.49, 11.85]	
van heurn 2001	2	63	4	64	17.6%	0.49 [0.09, 2.79]	
Subtotal (95% CI)		198		202	83.7%	1.26 [0.38, 4.18]	-
Total events	28		22				
Heterogeneity: Tau2 =	0.92; Ch	$i^2 = 8.5$	5, df = 3 (P)	= 0.04);	$I^2 = 65\%$		
Test for overall effect:	Z = 0.38	(P = 0.	71)				
2.3.2 MDT/ SSDT vs.	RDT/ BD	т					
byhahn 2002	3	35	2	35	16.3%	1.55 [0.24, 9.88]	
cianchi 2010	0	35	0	35		Not estimable	
Subtotal (95% CI)		70		70	16.3%	1.55 [0.24, 9.88]	
Total events	3		2				
Heterogeneity: Not ap	plicable						
Test for overall effect:	Z = 0.46	(P = 0.	64)				
Total (95% CI)		268		272	100.0%	1.31 [0.50, 3.47]	*
Total events	31		24				
Heterogeneity: Tau ² =				= 0.07);	$I^2 = 53\%$		0.01 0.1 1 10 100
Test for overall effect:				MDT / SSDT RDT/ BDT/GWDF			
Test for subgroup diff	erences: ($Chi^2 = 0$.03, df = 1	(P = 0.86)	$(1), I^2 = 0\%$	5	

Fig. 2 g) Outcome: False route

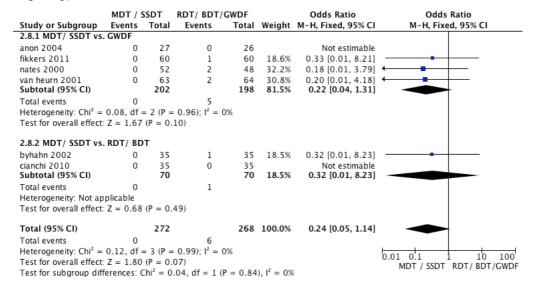


Fig. 2 h) Outcome: Subcutaneous emphysema

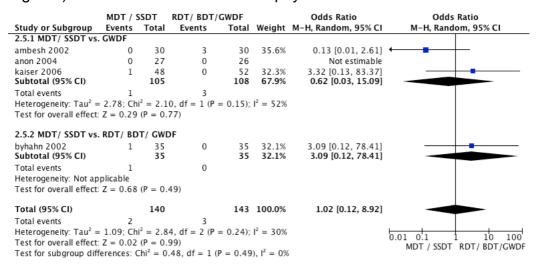


Fig. 2 i) Outcome: Pneumothorax

	MDT / SSDT		RDT/BDT/GWDF		Odds Ratio		Odds Ratio	
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% CI	M-H, Fixed, 95% CI	
2.6.1 MDT/ SSDT vs.	GWDF							
ambesh 2002	1	30	0	30	50.5%	3.10 [0.12, 79.23]		
anon 2004	0	27	0	26		Not estimable		
fikkers 2011	0	60	0	60		Not estimable		
kaiser 2006	1	48	0	52	49.5%	3.32 [0.13, 83.37]	-	
nates 2000	0	52	0	48		Not estimable		
Subtotal (95% CI)		217		216	100.0%	3.21 [0.33, 31.54]		
Total events	2		0					
Heterogeneity: Chi2 =	0.00, df =	= 1 (P =	$= 0.98$); $I^2 = 0$	6				
Test for overall effect:	Z = 1.00	(P = 0.	32)					
2.6.2 MDT/ SSDT vs.	RDT/ BD	T/ GWI	DF					
cianchi 2010	0	35	0	35		Not estimable		
Subtotal (95% CI)		35		35		Not estimable		
Total events	0		0					
Heterogeneity: Not ap	plicable							
Test for overall effect:	Not appli	cable						
Total (95% CI)		252		251	100.0%	3.21 [0.33, 31.54]		
Total events	2		0					
Heterogeneity: Chi2 =	0.00. df :	= 1 (P =	$= 0.98$); $I^2 = 09$	6				
Test for everall effect: 7 = 1.00 (P = 0.32)								
	Test for subgroup differences: Not applicable MDT / SSDT RDT/BDT/GWD							

Fig. 2 j) Outcome: Desaturation

