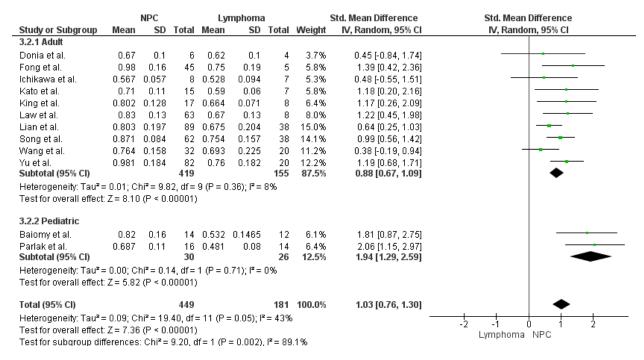
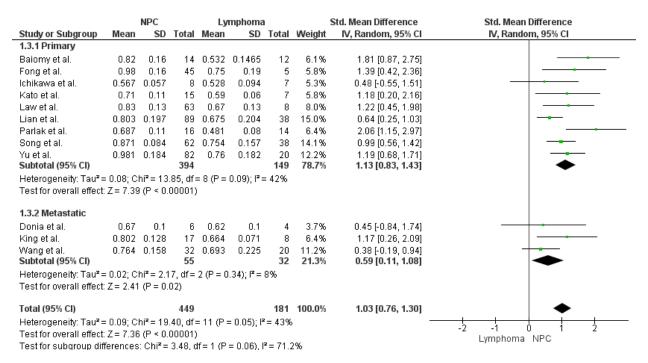
		NPC		Ly	mphoma	1		Std. Mean Difference	Std. Mean Difference		
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	IV, Random, 95% CI		
1.1.1 1.5 T											
Baiomy et al.	0.82	0.16	14	0.532	0.1465	12	6.1%	1.81 [0.87, 2.75]			
Donia et al.	0.67	0.1	6	0.62	0.1	4	3.7%	0.45 [-0.84, 1.74]	- •		
Fong et al.	0.98	0.16	45	0.75	0.19	5	5.8%	1.39 [0.42, 2.36]	_ 		
lchikawa et al.	0.567	0.057	8	0.528	0.094	7	5.3%	0.48 [-0.55, 1.51]			
Kato et al.	0.71	0.11	15	0.59	0.06	7	5.8%	1.18 [0.20, 2.16]			
King et al.	0.802	0.128	17	0.664	0.071	8	6.4%	1.17 [0.26, 2.09]			
Parlak et al.	0.687	0.11	16	0.481	0.08	14	6.4%	2.06 [1.15, 2.97]			
Yu et al.	0.981	0.184	82	0.76	0.182	20	12.2%	1.19 [0.68, 1.71]	_ 		
Subtotal (95% CI)			203			77	51.6%	1.27 [0.93, 1.61]	•		
Heterogeneity: Tau ² :	= 0.03; C	hi² = 8.1	9, df=	7 (P = 0)	0.32); l ^z =	14%					
Test for overall effect	t: Z = 7.38	B (P < 0.	00001)								
1.1.2 3T											
Law et al.	0.83	0.13	63	0.67	0.13	8	8.0%	1.22 [0.45, 1.98]			
Law et al. Lian et al.	0.803	0.197	89	0.675	0.204	38	15.0%	0.64 [0.25, 1.03]			
Song et al.	0.803	0.084	62		0.204	38	14.1%	0.99 [0.56, 1.42]			
_		0.064	32		0.137	20	11.2%	0.38 [-0.19, 0.94]			
Wang et al. Subtotal (95% CI)	0.764	0.158	246	0.693	0.225	104	48.4%	0.38 [-0.19, 0.94] 0.77 [0.45, 1.08]	_		
	- 0.04:0	hi2 – 4 6		2/0 - 0	201-12-		40.470	0.77 [0.45, 1.00]	_		
Heterogeneity: Tau ² :			•	•).20), P=	3070					
Test for overall effect	L. Z. – 4.78) (F < U.	00001,								
Total (95% CI)			449			181	100.0%	1.03 [0.76, 1.30]	•		
Heterogeneity: Tau ² :	= 0.09; C	hi² = 19	.40, df	= 11 (P :	= 0.05); P	²= 43%)	_	-2 -1 0 1 2		
Test for overall effect			-		,,						
Test for subaroup di	fferences	: Chi²=	4.51.0	f=1 (P	= 0.030.1	z = 77.8	3%		Lymphoma NPC		

Suppl Figure 1. Subgroup analysis based on magnetic field strength (1.5T vs. 3.0 T) showed that studies conducted with 1.5 T scanners have significantly higher SMD than 3.0 T (p = 0.03)



Suppl Figure 2. Subgroup analysis based on age group (adult vs. pediatric) showed that SMD was significantly higher in pediatric populations (p = 0.002)



Suppl Figure 3. Subgroup analysis based on tumor site showed that primary tumors have a higher SMD than metastatic lesions(e.g., lymph nodes). However, the difference wasn't statistically significant (p = 0.06)

		NPC		Ly	mphoma	1		Std. Mean Difference	Std. Mean Difference		
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	IV, Random, 95% CI		
1.7.1 > 3000											
Donia et al.	0.67	0.1	6	0.62	0.1	4	3.7%	0.45 [-0.84, 1.74]			
lchikawa et al.	0.567	0.057	8	0.528	0.094	7	5.3%	0.48 [-0.55, 1.51]	- •		
Kato et al.	0.71	0.11	15	0.59	0.06	7	5.8%	1.18 [0.20, 2.16]			
Lian et al.	0.803	0.197	89	0.675	0.204	38	15.0%	0.64 [0.25, 1.03]	_ 		
Parlak et al.	0.687	0.11	16	0.481	0.08	14	6.4%	2.06 [1.15, 2.97]			
Song et al.	0.871	0.084	62	0.754	0.157	38	14.1%	0.99 [0.56, 1.42]	_ -		
Wang et al.	0.764	0.158	32	0.693	0.225	20	11.2%	0.38 [-0.19, 0.94]	+-		
Yu et al.	0.981	0.184	82	0.76	0.182	20	12.2%	1.19 [0.68, 1.71]	_ 		
Subtotal (95% CI)			310			148	73.7%	0.90 [0.58, 1.23]	•		
Heterogeneity: Tau ² =	= 0.10; C	hi² = 14	.07, df:	= 7 (P =	0.05);	= 50%					
Test for overall effect	Z = 5.41	(P ≤ 0.	00001)								
1.7.2 <3000											
Baiomy et al.	0.82	0.16	14	0.532	0.1465	12	6.1%	1.81 [0.87, 2.75]			
Fong et al.	0.98	0.16	45	0.75	0.19	5	5.8%	1.39 [0.42, 2.36]			
King et al.	0.802	0.128	17	0.664	0.071	8	6.4%	1.17 [0.26, 2.09]			
Law et al.	0.83	0.13	63	0.67	0.13	8	8.0%	1.22 [0.45, 1.98]			
Subtotal (95% CI)			139			33	26.3%	1.38 [0.93, 1.82]	•		
Heterogeneity: Tau ² =	= 0.00; C	$hi^2 = 1.1$	18. df=	3(P = 0)	.76): I²=	0%					
Test for overall effect											
			,								
Total (95% CI)			449			181	100.0%	1.03 [0.76, 1.30]	•		
Heterogeneity: Tau ² =	= 0.09; C	hi² = 19	.40, df	= 11 (P :	= 0.05); [3	= 43%	,				
Test for overall effect	Z= 7.38	6 (P < 0.	00001)		,,				-2 -1 0 1 2		
Test for subgroup dif			Lymphoma NPC								

Suppl Figure 4. Subgroup analysis based on repetition time(TR) showed that studies with a TR lesser than 3000 ms had a higher SMD. However, the difference wasn't statistically significant (p = 0.06)

Calcin C			NPC		Ly	mphoma	ı		Std. Mean Difference	Std. Mean Difference
Salorny et al. 0.82 0.16 14 0.532 0.1465 12 6.1% 1.81 [0.87, 2.75] Donis et al. 0.67 0.1 6 0.62 0.1 4 3.7% 0.45 [0.84, 1.74] Jain et al. 0.803 0.197 89 0.675 0.204 38 15.0% 0.64 [0.25, 1.03] Song et al. 0.871 0.084 62 0.754 0.157 38 14.1% 0.99 [0.56, 1.42] Wang et al. 0.764 0.158 32 0.893 0.225 20 11.2% 0.38 [0.19, 0.94] Subtotat (95% Ct) 203 112 50.2% 0.81 [0.42, 1.20] Heterogeneity, Tau" = 0.09; Chi" = 8.32, df = 4 (P = 0.08); P = 52% Fest for overall effect Z = 4.53 (P < 0.00001) 1.2.2 GE (ve teal 0.981 0.184 82 0.76 0.182 20 12.2% 1.19 [0.68, 1.71] Subtotal (95% Ct) 82 20 12.2% 1.19 [0.68, 1.71] Heterogeneity, Not applicable rest for overall effect Z = 4.53 (P < 0.00001) 1.2.3 Philips Gain et al. 0.98 0.16 45 0.75 0.19 5 5.8% 1.39 [0.42, 2.36] chikawa et al. 0.567 0.057 8 0.528 0.094 7 5.3% 0.48 [-0.55, 1.51] cato et al. 0.71 0.11 15 0.59 0.06 7 5.8% 1.18 [0.02, 2.16] chikawa et al. 0.80 0.12 817 0.664 0.071 8 6.4% 1.17 [0.26, 2.09] a.aw et al. 0.83 0.13 63 0.67 0.13 8 8.0% 1.22 [0.45, 1.89] subtotal (95% Ct) 148 35 31.3% 1.12 [0.71, 1.53] Heterogeneity, Tau" = 0.00; Chi" = 1.86, df = 4 (P = 0.76); P = 0% Fest for overall effect Z = 5.35 (P < 0.00001) 1.2.4 Mix Parlak et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] subtotal (95% Ct) 16 14 6.4% 2.06 [1.15, 2.97] Heterogeneity, Not applicable rest for overall effect Z = 4.44 (P < 0.00001) Fest for overall effect Z = 4.44 (P < 0.00001) Fest for overall effect Z = 4.44 (P < 0.00001) Fest for overall effect Z = 4.44 (P < 0.00001) Fest for overall effect Z = 7.36 (P < 0.00001)	Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	IV, Random, 95% CI
Donial et al. 0.67 0.1 6 0.62 0.1 4 3.7% 0.45 [-0.84], 1.74] Jain et al. 0.803 0.197 89 0.675 0.204 38 15.0% 0.64 [0.25, 1.03] Song et al. 0.871 0.084 62 0.754 0.157 38 14.1% 0.99 [0.56, 1.42] Wang et al. 0.764 0.158 32 0.693 0.225 20 11.2% 0.38 [-0.19, 0.94] Subtotal (95% CI) 203 112 50.2% 0.81 [0.42, 1.20] Heterogeneity, Tau* = 0.09; Chi* = 8.32, df = 4 (P = 0.08); P = 52% Fest for overall effect Z = 4.06 (P < 0.0001) L2.2 GE (u et al. 0.981 0.184 82 0.76 0.182 20 12.2% 1.19 [0.68, 1.71] Subtotal (95% CI) 82 20 12.2% 1.19 [0.68, 1.71] Heterogeneity, Not applicable Fest for overall effect Z = 4.53 (P < 0.00001) L2.3 Phillips Tong et al. 0.98 0.16 45 0.75 0.19 5 5.8% 1.39 [0.42, 2.36] Chikawa et al. 0.567 0.057 8 0.528 0.094 7 5.3% 0.48 [-0.55, 1.51] Cato et al. 0.71 0.11 15 0.59 0.06 7 5.8% 1.18 [0.02, 2.16] Chikawa et al. 0.80 0.128 17 0.664 0.071 8 6.4% 1.17 [0.26, 2.09] Law et al. 0.80 0.128 17 0.664 0.071 8 6.4% 1.17 [0.26, 2.09] Law et al. 0.80 0.128 17 0.664 0.071 8 6.4% 1.17 [0.26, 2.09] Law et al. 0.80 0.128 17 0.664 0.071 8 6.4% 1.17 [0.26, 2.09] Law et al. 0.80 0.128 17 0.664 0.071 8 6.4% 1.17 [0.26, 2.09] Leterogeneity, Tau* = 0.00; Chi* = 1.86, df = 4 (P = 0.76); P = 0% Fest for overall effect Z = 5.35 (P < 0.00001) L2.4 Mix Parlak et al. 0.667 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] Heterogeneity, Not applicable Fest for overall effect Z = 4.44 (P < 0.00001) L2.4 Mix Parlak et al. 0.697 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] Heterogeneity, Not applicable Fest for overall effect Z = 4.44 (P < 0.00001) L2.4 Mix Parlak et al. 0.697 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] Heterogeneity, Tau* = 0.09; Chi* = 1.94.0, df = 11 (P = 0.05); F = 43% Let for overall effect Z = 7.36 (P < 0.00001)	1.2.1 Siemens									
Lan et al. 0.803 0.197 89 0.675 0.204 38 15.0% 0.64 [0.25, 1.03] Song et al. 0.871 0.084 62 0.754 0.157 38 14.1% 0.99 [0.56, 1.42] Wang et al. 0.764 0.158 32 0.6893 0.225 20 11.2% 0.38 [0.19, 0.94] Subtotal (95% Ct) 203 112 50.2% 0.81 [0.42, 1.20] Heterogeneity. Tau*= 0.09; Chi*= 8.32, df = 4 (P = 0.08); P = 52% Test for overall effect Z = 4.06 (P < 0.0001) L2.2 GE We tal. 0.981 0.184 82 0.76 0.182 20 12.2% 1.19 [0.68, 1.71] Subtotal (95% Ct) 82 20 12.2% 1.19 [0.68, 1.71] Heterogeneity. Not applicable Test for overall effect Z = 4.53 (P < 0.00001) L2.3 Philips Fong et al. 0.98 0.16 45 0.75 0.19 5 5.8% 1.39 [0.42, 2.36] Chikawa et al. 0.567 0.057 8 0.528 0.094 7 5.3% 0.48 [0.55, 1.51] Cato et al. 0.71 0.11 15 0.59 0.06 7 5.8% 1.18 [0.20, 2.16] Cing et al. 0.802 0.128 17 0.664 0.071 8 6.4% 1.17 [0.26, 2.09] Law et al. 0.803 0.13 63 0.67 0.13 8 8.0% 1.22 [0.45, 1.98] Subtotal (95% Ct) Ha	Baiomy et al.	0.82	0.16	14	0.532	0.1465	12	6.1%	1.81 [0.87, 2.75]	
Song et al. 0.871 0.084 62 0.754 0.157 38 14.1% 0.99 [0.56, 1.42] Vang et al. 0.764 0.158 32 0.683 0.225 20 11.2% 0.38 [-0.19, 0.94] Subtotal (95% Ct) 203 112 50.2% 0.81 [0.42, 1.20] Heterogeneity: Tau² = 0.09; Chi² = 8.32, df = 4 (P = 0.08); P = 52% Test for overall effect. Z = 4.06 (P < 0.0001) L2.2 GE (u et al. 0.981 0.184 82 0.76 0.182 20 12.2% 1.19 [0.68, 1.71] Heterogeneity: Not applicable Test for overall effect. Z = 4.53 (P < 0.00001) L2.3 Philips Tong et al. 0.98 0.16 45 0.75 0.19 5 5.8% 1.39 [0.42, 2.36] Chikawa et al. 0.567 0.057 8 0.529 0.094 7 5.3% 0.48 [-0.55, 1.51] Kato et al. 0.71 0.11 15 0.59 0.06 7 5.8% 1.18 [0.20, 2.16] King et al. 0.802 0.128 17 0.664 0.071 8 6.4% 1.17 [0.68, 1.99] Subtotal (95% Ct) 148 35 31.3% 1.12 [0.71, 1.53] Heterogeneity: Tau² = 0.00; Chi² = 1.86, df = 4 (P = 0.76); P = 0% Test for overall effect. Z = 5.35 (P < 0.00001) L2.4 Mix Parlak et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] Heterogeneity: Not applicable Test for overall effect. Z = 4.44 (P < 0.00001) Fest for overall effect. Z = 4.44 (P < 0.00001) Lymphoma NPC	Donia et al.	0.67	0.1	6	0.62	0.1	4	3.7%	0.45 [-0.84, 1.74]	- •
Nang et al. 0.764 0.158 32 0.693 0.225 20 11.2% 0.38 [0.19, 0.94] subtotal (95% Ct) 203 112 50.2% 0.81 [0.42, 1.20] 4-deterogeneity. Tau* = 0.09; Chi* = 8.32, df = 4 (P = 0.08); P = 52% [0.42, 1.20] 4-deterogeneity. Tau* = 0.09; Chi* = 1.86, df = 4 (P = 0.08); P = 52% [0.42, 1.20] 4-deterogeneity. Not applicable [0.42, 1.20] 4-deterogeneity. Not applicable [0.42, 1.20] 4-deterogeneity. Not applicable [0.42, 1.20] 5 5.8% 1.39 [0.42, 2.36] 5 5.	Lian et al.	0.803	0.197	89	0.675	0.204	38	15.0%	0.64 [0.25, 1.03]	-
Subtotal (95% CI) 203 112 50.2% 0.81 [0.42, 1.20] 4-leterogeneity: Tau" = 0.09; Chi" = 8.32, df = 4 (P = 0.08); P = 52% Test for overall effect: Z = 4.06 (P < 0.0001) 1.2.2 GE (ve tal.	Song et al.	0.871	0.084	62	0.754	0.157	38	14.1%	0.99 [0.56, 1.42]	
Heterogeneity: Tau" = 0.09; Chi" = 8.32, df = 4 (P = 0.08); i" = 52% Test for overall effect: Z = 4.06 (P < 0.0001) 1.2.2 GE (Ju et al.	Wang et al.	0.764	0.158	32	0.693	0.225	20	11.2%	0.38 [-0.19, 0.94]	 •
Test for overall effect: Z = 4.06 (P < 0.0001) 1.2.2 GE (u et al.	Subtotal (95% CI)			203			112	50.2%	0.81 [0.42, 1.20]	•
L2.2 GE (/u et al.	Heterogeneity: Tau ² :	0.09; C	$hi^2 = 8.3$	32, df=	4 (P = 0)	$.08); I^2 =$	52%			
Au et al. 0.981 0.184 82 0.76 0.182 20 12.2% 1.19 [0.68, 1.71] Heterogeneity: Not applicable rest for overall effect: Z = 4.53 (P < 0.00001) L2.3 Philips For all 0.71 0.11 15 0.59 0.06 7 5.8% 1.18 [0.20, 2.16] King et al. 0.802 0.128 17 0.664 0.071 8 6.4% 1.17 [0.26, 2.09] Law et al. 0.803 0.13 63 0.67 0.13 8 8.0% 1.22 [0.45, 1.98] Subtotal (95% CI) 148 35 31.3% 1.12 [0.71, 1.53] Heterogeneity: Tau² = 0.00; Chi² = 1.86, df = 4 (P = 0.76); i² = 0% Fest for overall effect: Z = 4.44 (P < 0.00001) L2.4 Mix Parlak et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] Heterogeneity: Not applicable rest for overall effect: Z = 4.44 (P < 0.00001) Fotal (95% CI) 449 181 100.0% 1.03 [0.76, 1.30] Heterogeneity: Tau² = 0.09; Chi² = 18.40, df = 11 (P = 0.05); i² = 43% Fest for overall effect: Z = 7.36 (P < 0.00001)	Test for overall effect	Z = 4.08	6 (P < 0.	0001)						
Subtotal (95% CI) 82 20 12.2% 1.19 [0.68, 1.71] Heterogeneity: Not applicable Fest for overall effect: Z = 4.53 (P < 0.00001) L.2.3 Philips Fong et al. 0.98 0.16 45 0.75 0.19 5 5.8% 1.39 [0.42, 2.36] chilkawa et al. 0.567 0.057 8 0.528 0.094 7 5.3% 0.48 [-0.55, 1.51] kato et al. 0.71 0.11 15 0.59 0.06 7 5.8% 1.18 [0.20, 2.16] king et al. 0.802 0.128 17 0.664 0.071 8 6.4% 1.17 [0.26, 2.09] Law et al. 0.83 0.13 63 0.67 0.13 8 8.0% 1.22 [0.45, 1.98] subtotal (95% CI) 148 35 31.3% 1.12 [0.71, 1.53] Heterogeneity: Tau² = 0.00; Chi² = 1.86, df = 4 (P = 0.76); l² = 0% Fest for overall effect: Z = 5.35 (P < 0.00001) L.2.4 Mix Paralak et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] Heterogeneity: Not applicable Fest for overall effect: Z = 4.44 (P < 0.00001) Fotal (95% CI) 449 181 100.0% 1.03 [0.76, 1.30] Heterogeneity: Tau² = 0.09; Chi² = 19.40, df = 11 (P = 0.05); l² = 43% Fest for overall effect: Z = 7.36 (P < 0.00001)	1.2.2 GE									
Subtotal (95% CI) 82 20 12.2% 1.19 [0.68, 1.71] Heterogeneity: Not applicable Fest for overall effect: Z = 4.53 (P < 0.00001) L.2.3 Philips Fong et al. 0.98 0.16 45 0.75 0.19 5 5.8% 1.39 [0.42, 2.36] chilkawa et al. 0.567 0.057 8 0.528 0.094 7 5.3% 0.48 [-0.55, 1.51] kato et al. 0.71 0.11 15 0.59 0.06 7 5.8% 1.18 [0.20, 2.16] king et al. 0.802 0.128 17 0.664 0.071 8 6.4% 1.17 [0.26, 2.09] Law et al. 0.83 0.13 63 0.67 0.13 8 8.0% 1.22 [0.45, 1.98] subtotal (95% CI) 148 35 31.3% 1.12 [0.71, 1.53] Heterogeneity: Tau² = 0.00; Chi² = 1.86, df = 4 (P = 0.76); l² = 0% Fest for overall effect: Z = 5.35 (P < 0.00001) L.2.4 Mix Paralak et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] Heterogeneity: Not applicable Fest for overall effect: Z = 4.44 (P < 0.00001) Fotal (95% CI) 449 181 100.0% 1.03 [0.76, 1.30] Heterogeneity: Tau² = 0.09; Chi² = 19.40, df = 11 (P = 0.05); l² = 43% Fest for overall effect: Z = 7.36 (P < 0.00001)	Yu et al.	0.981	0.184	82	0.76	0.182	20	12.2%	1.19 [0.68, 1.71]	
Cest for overall effect: Z = 4.53 (P < 0.00001)	Subtotal (95% CI)									•
Cest for overall effect: Z = 4.53 (P < 0.00001)	Heterogeneity: Not a	oplicable	!							
L2.3 Philips Fong et al. 0.98 0.16 45 0.75 0.19 5 5.8% 1.39 [0.42, 2.36] chikawa et al. 0.567 0.057 8 0.528 0.094 7 5.3% 0.48 [-0.55, 1.51] cate et al. 0.71 0.11 15 0.59 0.06 7 5.8% 1.18 [0.20, 2.16] cling et al. 0.802 0.128 17 0.664 0.071 8 6.4% 1.17 [0.26, 2.09] aw et al. 0.83 0.13 63 0.67 0.13 8 8.0% 1.22 [0.45, 1.98] cling et al. 0.83 0.13 63 0.67 0.13 8 8.0% 1.22 [0.45, 1.98] cling et al. 0.664 0.071 148 35 31.3% 1.12 [0.71, 1.53] cline et al. 0.67 0.00; Chi² = 1.86, df = 4 (P = 0.76); i² = 0% fest for overall effect Z = 5.35 (P < 0.00001) L2.4 Mix Parlak et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] cline et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] cline et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] cline et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] cline et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] cline et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] cline et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] cline et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] cline et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] cline et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] cline et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] cline et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] cline et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] cline et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] cline et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] cline et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] cline et al. 0.087 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] cline et al. 0.087 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] cline et al. 0.087 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] cline et al. 0.087 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] cline et al. 0.087 0.11 16 0.481 0.08 14 6.4% 2.08 [1.15, 2.97] cline et al. 0.087 0.11 16 0.481 0.08 14 6.4% 2.08 [1.15, 2.97] cline et al. 0.887 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12				00001)						
Fong et al. 0.98 0.16 45 0.75 0.19 5 5.8% 1.39 [0.42, 2.36] chikawa et al. 0.567 0.057 8 0.528 0.094 7 5.3% 0.48 [-0.55, 1.51] chikawa et al. 0.71 0.11 15 0.59 0.06 7 5.8% 1.18 [0.20, 2.16] chikawa et al. 0.802 0.128 17 0.664 0.071 8 6.4% 1.17 [0.26, 2.09] chikawa et al. 0.83 0.13 63 0.67 0.13 8 8.0% 1.22 [0.45, 1.98] chikawa et al. 0.83 0.13 63 0.67 0.13 8 8.0% 1.22 [0.45, 1.98] chikawa et al. 0.83 0.13 63 0.67 0.13 8 8.0% 1.22 [0.45, 1.98] chikawa et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] chikawa et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] chikawa et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] chikawa et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] chikawa et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] chikawa et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] chikawa et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] chikawa et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] chikawa et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] chikawa et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] chikawa et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] chikawa et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] chikawa et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] chikawa et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] chikawa et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] chikawa et al. 0.687 0.00001) chikawa et al. 0.75 0.00001				,						
chikawa et al.	1.2.3 Philips									
Kato et al. 0.71 0.11 15 0.59 0.06 7 5.8% 1.18 [0.20, 2.16] King et al. 0.802 0.128 17 0.664 0.071 8 6.4% 1.17 [0.26, 2.09] Law et al. 0.83 0.13 63 0.67 0.13 8 8.0% 1.22 [0.45, 1.98] Subtotal (95% CI) 148 35 31.3% 1.12 [0.71, 1.53] Heterogeneity: Tau² = 0.00; Chi² = 1.86, df = 4 (P = 0.76); I² = 0% Fest for overall effect: Z = 5.35 (P < 0.00001) L2.4 Mix Parlak et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] Subtotal (95% CI) 16 14 6.4% 2.06 [1.15, 2.97] Heterogeneity: Not applicable Fest for overall effect: Z = 4.44 (P < 0.00001) Fotal (95% CI) 449 181 100.0% 1.03 [0.76, 1.30] Heterogeneity: Tau² = 0.09; Chi² = 19.40, df = 11 (P = 0.05); I² = 43% Fest for overall effect: Z = 7.36 (P < 0.00001)	Fong et al.	0.98	0.16	45	0.75	0.19	5	5.8%	1.39 [0.42, 2.36]	_
Aing et al. 0.802 0.128 17 0.664 0.071 8 6.4% 1.17 [0.26, 2.09] Law et al. 0.83 0.13 63 0.67 0.13 8 8.0% 1.22 [0.45, 1.98] Subtotal (95% CI) 148 35 31.3% 1.12 [0.71, 1.53] Heterogeneity: Tau² = 0.00; Chi² = 1.86, df = 4 (P = 0.76); I² = 0% Test for overall effect: Z = 5.35 (P < 0.00001) I.2.4 Mix Parlak et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] Subtotal (95% CI) 16 14 6.4% 2.06 [1.15, 2.97] Heterogeneity: Not applicable Test for overall effect: Z = 4.44 (P < 0.00001) Fotal (95% CI) 449 181 100.0% 1.03 [0.76, 1.30] Heterogeneity: Tau² = 0.09; Chi² = 19.40, df = 11 (P = 0.05); I² = 43% Test for overall effect: Z = 7.36 (P < 0.00001)	lchikawa et al.	0.567	0.057	8	0.528	0.094	7	5.3%	0.48 [-0.55, 1.51]	- •
Law et al. 0.83 0.13 63 0.67 0.13 8 8.0% 1.22 [0.45, 1.98] Subtotal (95% CI) 148 35 31.3% 1.12 [0.71, 1.53] Heterogeneity: Tau² = 0.00; Chi² = 1.86, df = 4 (P = 0.76); I² = 0% Test for overall effect: Z = 5.35 (P < 0.00001) I.2.4 Mix Parlak et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] Subtotal (95% CI) 16 14 6.4% 2.06 [1.15, 2.97] Heterogeneity: Not applicable Test for overall effect: Z = 4.44 (P < 0.00001) Fotal (95% CI) 449 181 100.0% 1.03 [0.76, 1.30] Heterogeneity: Tau² = 0.09; Chi² = 19.40, df = 11 (P = 0.05); I² = 43% Test for overall effect: Z = 7.36 (P < 0.00001)	Kato et al.	0.71	0.11	15	0.59	0.06	7	5.8%	1.18 [0.20, 2.16]	
Subtotal (95% CI) 148 35 31.3% 1.12 [0.71, 1.53] Heterogeneity: Tau* = 0.00; Chi* = 1.86, df = 4 (P = 0.76); I* = 0% Fest for overall effect: Z = 5.35 (P < 0.00001) I.2.4 Mix Parlak et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] Subtotal (95% CI) 16 14 6.4% 2.06 [1.15, 2.97] Heterogeneity: Not applicable Fest for overall effect: Z = 4.44 (P < 0.00001) Fotal (95% CI) 449 181 100.0% 1.03 [0.76, 1.30] Heterogeneity: Tau* = 0.09; Chi* = 19.40, df = 11 (P = 0.05); I* = 43% Fest for overall effect: Z = 7.36 (P < 0.00001)	King et al.	0.802	0.128	17	0.664	0.071	8	6.4%	1.17 [0.26, 2.09]	
Heterogeneity: Tau* = 0.00; Chi* = 1.86, df = 4 (P = 0.76); I* = 0% Test for overall effect: Z = 5.35 (P < 0.00001) 1.2.4 Mix Parlak et al.	Law et al.	0.83	0.13	63	0.67	0.13	8	8.0%	1.22 [0.45, 1.98]	
Cest for overall effect: Z = 5.35 (P < 0.00001) Cest for overall effect: Z = 5.35 (P < 0.00001) Cest for overall effect: Z = 5.35 (P < 0.00001) Cest for overall effect: Z = 4.44 (P < 0.00001) Cest for overall effect: Z = 4.44 (P < 0.00001) Cest for overall effect: Z = 0.09; Chi² = 19.40, df = 11 (P = 0.05); I² = 43% Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overall effect: Z = 7.36 (P < 0.00001) Cest for overa	Subtotal (95% CI)			148			35	31.3%	1.12 [0.71, 1.53]	•
1.2.4 Mix Parlak et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 1.15 2.97 2.06 2.07 2.	Heterogeneity: Tau ² :	0.00; C	hi² = 1.8	36, df=	4 (P = 0)	.76); (2=	0%			
Parlak et al. 0.687 0.11 16 0.481 0.08 14 6.4% 2.06 [1.15, 2.97] Subtotal (95% CI) 16 14 6.4% 2.06 [1.15, 2.97] Heterogeneity: Not applicable Fest for overall effect: Z = 4.44 (P < 0.00001) Fotal (95% CI) 449 181 100.0% 1.03 [0.76, 1.30] Heterogeneity: Tau² = 0.09; Chi² = 19.40, df = 11 (P = 0.05); I² = 43% Fest for overall effect: Z = 7.36 (P < 0.00001)	Test for overall effect	Z= 5.35	5 (P < 0.	00001)						
Subtotal (95% CI) 16 14 6.4% 2.06 [1.15, 2.97] Heterogeneity: Not applicable Fest for overall effect: Z = 4.44 (P < 0.00001) Fotal (95% CI) 449 181 100.0% 1.03 [0.76, 1.30] Heterogeneity: Tau² = 0.09; Chi² = 19.40, df = 11 (P = 0.05); I² = 43% Fest for overall effect: Z = 7.36 (P < 0.00001)	1.2.4 Mix									
Heterogeneity: Not applicable Test for overall effect: Z = 4.44 (P < 0.00001) Total (95% CI) 449 181 100.0% 1.03 [0.76, 1.30] Heterogeneity: Tau² = 0.09; Chi² = 19.40, df = 11 (P = 0.05); I² = 43% Test for overall effect: Z = 7.36 (P < 0.00001)	Parlak et al.	0.687	0.11		0.481	0.08				
Fest for overall effect: Z = 4.44 (P < 0.00001) Fotal (95% CI) 449 181 100.0% 1.03 [0.76, 1.30] Heterogeneity: Tau² = 0.09; Chi² = 19.40, df = 11 (P = 0.05); I² = 43% Fest for overall effect: Z = 7.36 (P < 0.00001)	Subtotal (95% CI)			16			14	6.4%	2.06 [1.15, 2.97]	
Fotal (95% CI) 449 181 100.0% 1.03 [0.76, 1.30]	Heterogeneity: Not a	oplicable	!							
Heterogeneity: Tau ² = 0.09; Chi ² = 19.40, df = 11 (P = 0.05); i ² = 43% Fest for overall effect: Z = 7.36 (P < 0.00001) Lymphoma NPC	Test for overall effect	Z = 4.44	I (P < 0.	00001)						
Fest for overall effect: Z = 7.36 (P < 0.00001) -2 -1 U 1 2 Lymphoma NPC	Total (95% CI)			449			181	100.0%	1.03 [0.76, 1.30]	•
Fest for overall effect: Z = 7.36 (P < 0.00001) -2 -1 U 1 2 Lymphoma NPC	Heterogeneity: Tau ² :	= 0.09; C	hi² = 19	.40, df	= 11 (P :	= 0.05); [3	= 43%	,	_	
est for subgroup differences: Chi ² = 6.55, df = 3 (P = 0.09), I ² = 54.2%	- '									2 . 0 . 2
	Test for subgroup dif	ferences	: Chi²=	6.55, 0	lf = 3 (P	= 0.09), I	² = 54.2	2%		Lymphoma NFC

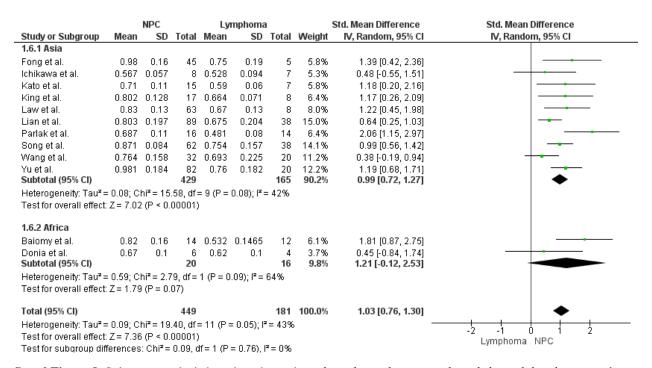
Suppl Figure 5. Subgroup analysis based on scanner manufacturers showed devices made by Seimens company had a lower SMD than others. However, the differences were not statistically significant (p = 0.09)

		NPC		Ly	mphoma			Std. Mean Difference	Std. Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	IV, Random, 95% CI
1.5.1 Hong Kong									
Fong et al.	0.98	0.16	45	0.75	0.19	5	5.8%	1.39 [0.42, 2.36]	
King et al.	0.802	0.128	17	0.664	0.071	8	6.4%	1.17 [0.26, 2.09]	
Law et al.	0.83	0.13	63	0.67	0.13	8	8.0%	1.22 [0.45, 1.98]	
Subtotal (95% CI)			125			21	20.2%	1.25 [0.75, 1.75]	•
Heterogeneity: Tau ²	= 0.00; C	$hi^2 = 0.1$	2, df=	2(P = 0)	0.94); I ² =	0%			
Test for overall effect	t: Z = 4.89	9 (P < 0.	00001)						
1.5.2 China									
Lian et al.	0.803	0.197	89	0.675	0.204	38	15.0%	0.64 [0.25, 1.03]	
Song et al.	0.871	0.084	62	0.754	0.157	38	14.1%	0.99 [0.56, 1.42]	
Wang et al.	0.764	0.158	32	0.693	0.225	20	11.2%	0.38 [-0.19, 0.94]	
Yu et al.	0.981	0.184	82	0.76	0.182	20	12.2%		
Subtotal (95% CI)			265			116	52.5%		•
Heterogeneity: Tau ²	= 0.05; C	$hi^2 = 5.8$	35. df=	3(P = 0)).12): I ² =	49%			
Test for overall effect									
			,						
1.5.3 Japan									
lchikawa et al.	0.567	0.057	8	0.528	0.094	7	5.3%	0.48 [-0.55, 1.51]	
Kato et al.	0.71	0.11	15	0.59	0.06	7	5.8%		
Subtotal (95% CI)			23			14	11.0%		
Heterogeneity: Tau ²	= 0.00: C	$hi^2 = 0.9$	33. df=	1 (P = 0)).33): ² =	0%			
Test for overall effect					//				
			,						
1.5.4 Egypt									
Baiomy et al.	0.82	0.16	14	0.532	0.1465	12	6.1%	1.81 [0.87, 2.75]	
Donia et al.	0.67	0.1	6	0.62	0.1	4	3.7%		
Subtotal (95% CI)	0.01	٥.,	20	0.02	0.1	16	9.8%		
Heterogeneity: Tau ²	= 0.59°C	$hi^2 = 2.7$	'9 df=	1 (P = 0	109):13=	64%			
Test for overall effect					,,				
			,						
1.5.5 Turkey									
Parlak et al.	0.687	0.11	16	0.481	0.08	14	6.4%	2.06 [1.15, 2.97]	
Subtotal (95% CI)			16			14	6.4%		
Heterogeneity: Not a	policable	,							
Test for overall effect			00001						
			,						
Total (95% CI)			449			181	100.0%	1.03 [0.76, 1.30]	•
Heterogeneity: Tau ²	= 0.09; C	hi² = 19	.40. df:	= 11 (P :	= 0.05): P	²= 43%)	-	
Test for overall effect					//				-2 -1 0 1 2
Test for subgroup di		•	-		= 0.10) 1	² = 48 f	3%		Lymphoma NPC

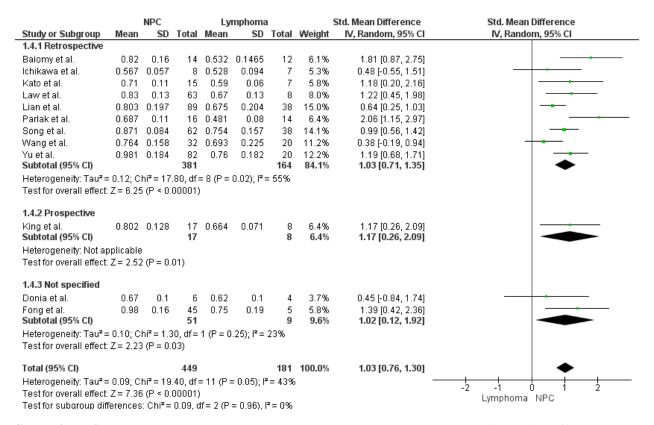
Suppl Figure 6. Subgroup analysis based on the country where the study was conducted showed that there wasn't a significant difference between SMD of different countries overall (p = 0.10)

		NPC		Ly	mphoma	1		Std. Mean Difference	Std. Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	IV, Random, 95% CI
1.9.1 4 mm									
Fong et al.	0.98	0.16	45	0.75	0.19	5	5.8%	1.39 [0.42, 2.36]	
Kato et al.	0.71	0.11	15	0.59	0.06	7	5.8%	1.18 [0.20, 2.16]	
King et al.	0.802	0.128	17	0.664	0.071	8	6.4%	1.17 [0.26, 2.09]	
Law et al.	0.83	0.13	63	0.67	0.13	8	8.0%	1.22 [0.45, 1.98]	
Song et al.	0.871	0.084		0.754	0.157	38	14.1%	0.99 [0.56, 1.42]	
Subtotal (95% CI)			202			66	40.1%	1.11 [0.80, 1.42]	•
Heterogeneity: Tau² =				•	.95); I²=	0%			
Test for overall effect	Z = 7.06	5 (P < 0.	00001)						
1.9.2 5 mm									
Baiomy et al.	0.82	0.16	14	0.532	0.1465	12	6.1%	1.81 [0.87, 2.75]	
Ichikawa et al.	0.567	0.057		0.528	0.094	7	5.3%	0.48 [-0.55, 1.51]	
Wang et al.		0.158	32		0.225	20	11.2%	0.38 [-0.19, 0.94]	 • •
Yu et al.		0.184	82	0.76	0.182	20	12.2%	1.19 [0.68, 1.71]	
Subtotal (95% CI)			136			59	34.8%	0.94 [0.33, 1.56]	•
Heterogeneity: Tau ² =	= 0.25; C	$hi^2 = 8.8$	33, df=	3 (P = 0	$.03$); $I^2 =$	66%			
Test for overall effect	Z = 3.00	P = 0	003)						
1.9.3 10 mm									
Lian et al.	0.803	0.197	89	0.675	0.204	38	15.0%	0.64 [0.25, 1.03]	🛨
Subtotal (95% CI)			89			38	15.0%	0.64 [0.25, 1.03]	•
Heterogeneity: Not a									
Test for overall effect	Z = 3.23	3 (P = 0.	001)						
1.9.4 Not specified o	r mixed								
Donia et al.	0.67	0.1	6	0.62	0.1	4	3.7%	0.45 [-0.84, 1.74]	
Parlak et al.	0.687	0.11	16	0.481	0.08	14	6.4%	2.06 [1.15, 2.97]	
Subtotal (95% CI)			22			18	10.1%	1.32 [-0.25, 2.90]	
Heterogeneity: Tau ² =	= 0.97; C	$hi^2 = 3.9$	99. df=	1 (P = 0	$.05$); $I^2 =$	75%			
Test for overall effect	Z=1.65	5 (P = 0.	10)						
Total (95% CI)			449			181	100.0%	1.03 [0.76, 1.30]	•
Heterogeneity: Tau ² =	= n ng: c	hi² = 19		= 11 (P :	= 0.05*!3				
Test for overall effect					3.00), 1	- 40 //	,		-2 -1 0 1 2
Test for subgroup dif		,			= 0.30) 1	² =188	3%		Lymphoma NPC
. Cot for oabgroup an	.51011065	o –	5.55, 6	0 (1	0.007, 1	- 10.0			

Suppl Figure 7. Subgroup analysis based on slice thickness showed that SMD of ADC value in studies with thicker slices was lower. However, the test for subgroup differences was not statistically significant (p = 0.30)



Suppl Figure 8. Subgroup analysis based on the region where the study was conducted showed that there wasn't a significant difference between Asian and African regions overall (p = 0.76)



Suppl Figure 9. The subgroup analysis based on the study design. As seen, The values of SMD for different subgroups are almost close to each other. Confirmed by the test for subgroup differences (p = 0.96)