

Search strategy:

PubMed: n=516; ("radiofrequency ablation" OR "radiofrequency neurotomy" OR "radiofrequency lesioning" OR "radiofrequency neurolysis" OR "radiofrequency ablation" OR "radiofrequency denervation" OR "injection" OR "joint fusion") AND (("sacroiliac" OR "SI Joint" OR "sacroiliac region" OR "pelvic girdle") AND ("sacroiliitis" OR "sacroiliac joint pathology" OR "sacroiliac pain" OR "sacroiliac syndrome" OR "sacroiliac joint disease" OR "back pain"))

The screenshot shows a PubMed search interface. The search bar contains the query: ("Radiofrequency Ablation" OR "Radiofrequency Neurotomy" OR "Radiofreq...). Below the search bar are buttons for "Advanced", "Create alert", "Create RSS", and "User Guide". Below the search bar are buttons for "Save", "Email", and "Send to". Below the search bar are buttons for "Sorted by: Best match" and "Display options". Below the search bar are buttons for "516 results", "Page 1 of 11", and navigation arrows.

WoS: n=521; TS= ("radiofrequency ablation" OR "radiofrequency neurotomy" OR "radiofrequency lesioning" OR "radiofrequency neurolysis" OR "radiofrequency ablation" OR "radiofrequency denervation" OR "injection" OR "joint fusion") AND TS= ("sacroiliac" OR "SI Joint" OR "sacroiliac region" OR "pelvic girdle") AND TS= ("sacroiliitis" OR "sacroiliac joint pathology" OR "sacroiliac pain" OR "sacroiliac syndrome" OR "sacroiliac joint disease" OR "back pain")

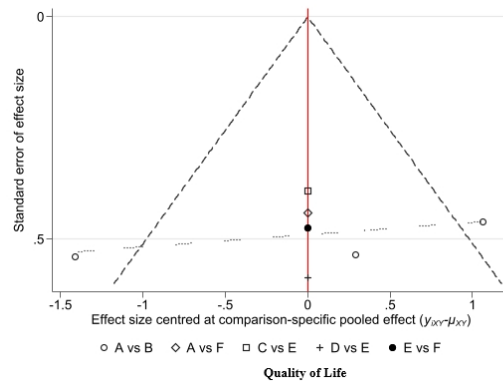
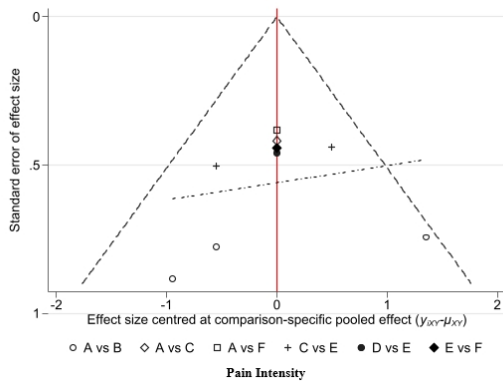
The screenshot shows a Web of Science search interface. The search bar contains the query: TS= ("Radiofrequency Ablation" OR "Radiofrequency Neurotomy" OR "Radiofrequency Lesioning" OR "Radio...). Below the search bar are buttons for "Analyze Results", "Citation Report", and "Create Alert". Below the search bar is a button for "Copy query link".

Scopus: n=842; TITLE-ABS-KEY ("radiofrequency ablation" OR "radiofrequency neurotomy" OR "radiofrequency lesioning" OR "radiofrequency neurolysis" OR "radiofrequency ablation" OR "radiofrequency denervation" OR "injection" OR "joint fusion") AND (TITLE-ABS-KEY ("sacroiliac" OR "SI Joint" OR "sacroiliac region" OR "pelvic girdle") AND TITLE-ABS-KEY ("sacroiliitis" OR "sacroiliac joint pathology" OR "sacroiliac pain" OR "sacroiliac syndrome" OR "sacroiliac joint disease" OR "back pain"))

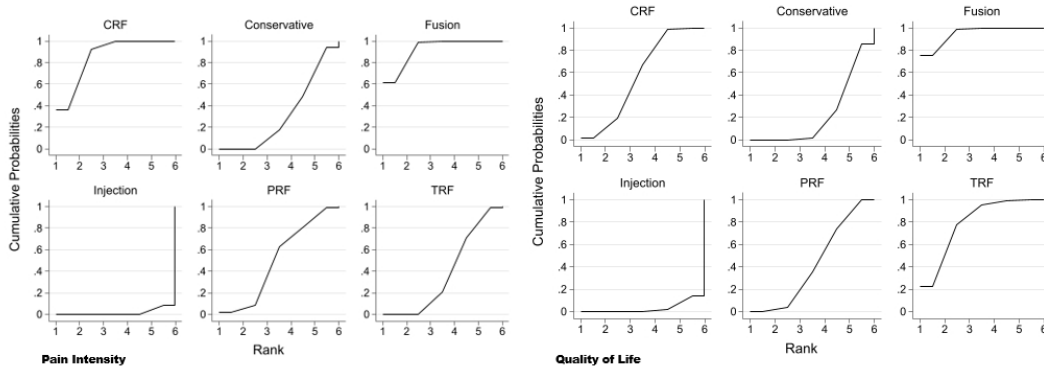
The screenshot shows a Scopus search interface. The search bar contains the query: TITLE-ABS-KEY ("Radiofrequency Ablation" OR "Radiofrequency Neurotomy" OR "Radiofrequency Lesioning" OR "Radiofrequency Neurolysis" OR "Radiofrequency Denervation" OR "Injection" OR "Joint Fusion") AND (TITLE-ABS-KEY ("Sacroiliac" OR "SI Joint" OR "Sacroiliac Region" OR "Pelvic Girdle") AND TITLE-ABS-KEY ("Sacroiliitis" OR "Sacroiliac Joint Pathology" OR "Sacroiliac Pain" OR "Sacroiliac Syndrome" OR "Sacroiliac Joint Disease" OR "Back Pain")). Below the search bar are buttons for "Save search", "Set search alert", "Edit in advanced search", and "Analyze results". Below the search bar are buttons for "Documents", "Patents", and "Secondary documents". Below the search bar are buttons for "842 documents found". Below the search bar are buttons for "Filters", "Search within results", "Year", "Range", "Individual", "Show abstract", "View at Publisher", and "Related documents". Below the search bar are buttons for "1 Biportal Endoscopic Radiofrequency Ablation of the Sacroiliac Joint Complex in the Treatment of Chronic Low Back Pain: A Technical Note with 1-Year Follow-Up" and "2 Factors associated with hardware failure after lateral thoracolumbar fusions - A ten year case series".

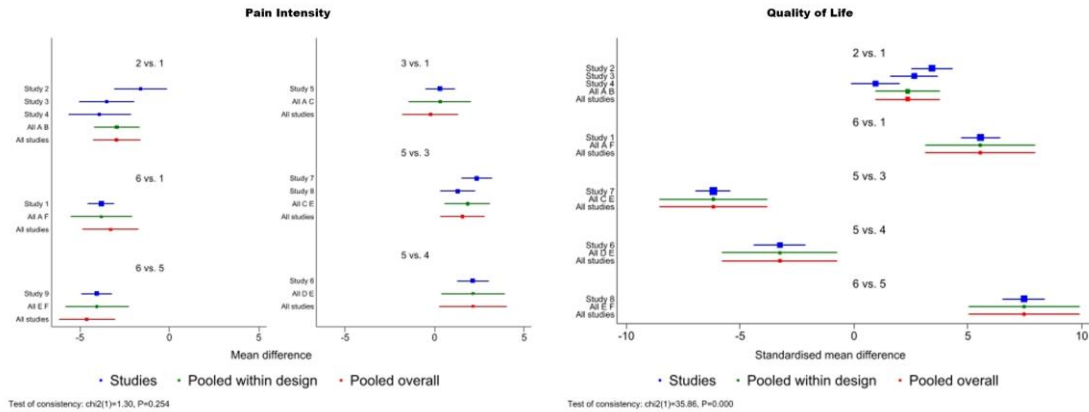
Cochrane: n=35;

#1	MeSH descriptor: [Sacroiliac Joint] explode all trees	MeSH	134
#2	(Sacroiliitis)	S	Limits 263
#3	(sacroiliac joint pathology)	S	Limits 81
#4	(sacroiliac pain):ti,ab,kw	S	Limits 548
#5	(sacroiliac syndrome):ti,ab,kw	S	Limits 56
#6	(sacroiliac joint disease):ti,ab,kw	S	Limits 251
#7	(back pain):ti,ab,kw	S	Limits 20188
#8	#2 or #3 or #4 or #5 or #6 or #7	Limits	20652
#9	(radiofrequency ablation):ti,ab,kw	S	Limits 3542
#10	(radiofrequency neurotomy):ti,ab,kw	S	Limits 84
#11	(radiofrequency lesioning):ti,ab,kw	S	Limits 53
#12	(radiofrequency neurolysis):ti,ab,kw	S	Limits 43
#13	(radiofrequency ablation):ti,ab,kw	S	Limits 3542
#14	(radiofrequency denervation):ti,ab,kw	S	Limits 250
#15	(injection):ti,ab,kw	S	Limits 83164
#16	(joint fusion):ti,ab,kw	S	Limits 470
#17	#9 or #10 or #11 or #12 or #13 or #14 or #15 or #16	Limits	87013
#18	#17 and #8 and #1	Limits	35



Comparison-adjusted funnel plot for the PI (A) and QoL (B); (A) conservative therapy; (B) cooled radiofrequency; (C) thermal radiofrequency; (D) pulsed radiofrequency; (E) Injection; (F) Fusion.





Fit side-splitting model to explore inconsistency. Upper is estimated in pain intensity model, lower is estimated in QoL model.

Side	Direct	Indirect	Difference	tau
	Coef.	Coef.	Coef.	
A B	.3	-1.601221	1.901221	.7832547
A C	-3.81	-1.907796	-1.902204	.7834694
C E	1.843356	-.0587681	1.902124	.7834405
D E *	2.134	2.632753	-.4987527	.8438026
E F	-4.049997	-5.952108	1.902111	.7835084

* Warning: all the evidence about these contrasts comes from the trials which directly compare them. See help file for more information.

Side	Direct	Indirect	Difference	tau
	Coef.	Coef.	Coef.	
A B				
A F *	5.550819	4.113438	1.437382	1.158177
C E *	-6.177954	-3.476104	-2.70185	1.156545
D E *	-3.25943	-3.844906	.5854764	1.156557
E F *	7.461691	8.656218	-1.194527	1.158179

* Warning: all the evidence about these contrasts comes from the trials which directly compare them. See help file for more information.

To evaluate the inconsistency separately in each closed loop of networks of interventions using loop-specific approach.

Evaluation of inconsistency using loop-specific heterogeneity estimates:

Loop	IF	seIF	z_value	p_value	CI_95	Loop_Heterog_tau2
A-C-E-F	1.954	0.791	2.470	0.014	(0.40, 3.50)	0.000

Sensitivity analysis

PI

Side	Direct Coef.	Std. Err.	Indirect Coef.	Std. Err.	Difference Coef.	Std. Err.	P>|z|	tau
A B	.	.	.	.	.	.	.	.
A C	-1.4	1.750866	-1.601211	1.410703	.2012115	2.24847	0.929	.7832549
A F	-3.81	.8717024	-3.602702	2.06998	-.207298	2.246037	0.926	.7834429
C E	1.843347	.6466347	1.64089	2.154013	.202457	2.248997	0.928	.7834368
D E *	2.134	.7857113	.5934485	79.13127	1.540552	79.13568	0.984	.637807
E F	-4.049995	.90345	-4.256505	2.056818	.2065101	2.24649	0.927	.7834837

_Comparison	_Effect_Size	_Standard_Error	_LCI	_UCI	_LPrI	_UPrI
CRF vs CON	-2.939612	.6476873	-4.209056	-1.670168	-4.209056	-1.670168
TRF vs CON	-1.397544	1.747861	-4.823288	2.028201	-4.823288	2.028201
PRF vs CON	-1.687775	2.071977	-5.748776	2.373226	-5.748776	2.373226
IJ vs CON	-.2056536	2.246486	-4.608685	4.197378	-4.608685	4.197378
FUS vs CON	.4460539	1.863001	-3.205361	4.097469	-3.205361	4.097469
TRF vs CRF	1.542068	1.864024	-2.111351	5.195488	-2.111351	5.195488
PRF vs CRF	1.251837	2.170485	-3.002236	5.50591	-3.002236	5.50591
IJ vs CRF	3.385666	1.971972	-.4793285	7.25066	-.4793285	7.25066
FUS vs CRF	-.8701241	1.085977	-2.998599	1.258351	-2.998599	1.258351
PRF vs TRF	-.2902311	1.11446	-2.474532	1.894069	-2.474532	1.894069
IJ vs TRF	1.843597	.6465423	.5763978	3.110797	.5763978	3.110797
FUS vs TRF	-2.412193	1.953161	-6.240317	1.415932	-6.240317	1.415932
IJ vs PRF	2.133829	.9078769	.3544226	3.913235	.3544226	3.913235
FUS vs PRF	-2.121961	2.24787	-6.527706	2.283784	-6.527706	2.283784
FUS vs IJ	-4.25579	2.056844	-8.287128	-.2244506	-8.287128	-.2244506

Treatment	SUCRA	PrBest	MeanRank
Conservative	20.2	0.0	5.0
CooledRF	73.5	16.0	2.3
ThermalRF	49.9	3.4	3.5
PulsedRF	57.4	14.0	3.1
Injection	9.3	0.0	5.5
Fusion	89.7	66.6	1.5

QoL

Side	Direct Coef.	Std. Err.	Indirect Coef.	Std. Err.	Difference Coef.	Std. Err.	P>|z|	tau
A B	.	.	.	.	.	.	.	.
A F *	-20.1	3.205641	-20.43322	78.59441	.3332204	78.65975	0.997	.0000612
C E *	11	.4970693	9.95634	196.5469	1.04366	196.5476	0.996	4.60e-07
D E *	5.62	1.551322	10.6032	268.412	-4.983196	268.4174	0.985	1.25e-07
E F *	-25.40001	3.302851	-24.96852	79.0447	-.4314869	79.11361	0.996	.0000559

_Comparison	_Effect_Size	_Standard_Error	_LCI	_UCI	_LPrI	_UPrI
CRF vs CON	-12.42994	3.728275	-19.73723	-5.122656	-19.73723	-5.122656
TRF vs CON	-5.70132	4.621638	-14.75956	3.356925	-14.75956	3.356925
PRF vs CON	-.3215104	4.849369	-9.826098	9.183078	-9.826098	9.183078
IJ vs CON	5.298674	4.594889	-3.707143	14.30449	-3.707143	14.30449
FUS vs CON	-20.10055	3.20298	-26.37828	-13.82283	-26.37828	-13.82283
TRF vs CRF	6.728621	5.937977	-4.9096	18.36684	-4.9096	18.36684
PRF vs CRF	12.10843	6.116896	.1195357	24.09733	.1195357	24.09733
IJ vs CRF	17.72861	5.917182	6.131151	29.32608	6.131151	29.32608
FUS vs CRF	-7.670612	4.915192	-17.30421	1.962987	-17.30421	1.962987
PRF vs TRF	5.379809	1.62898	2.187067	8.572553	2.187067	8.572553
IJ vs TRF	10.99999	.4970677	10.02576	11.97423	10.02576	11.97423
FUS vs TRF	-14.39923	3.33716	-20.93995	-7.858521	-20.93995	-7.858521
IJ vs PRF	5.620184	1.55129	2.579711	8.660657	2.579711	8.660657
FUS vs PRF	-19.77904	3.646194	-26.92545	-12.63264	-26.92545	-12.63264
FUS vs IJ	-25.39923	3.299975	-31.86706	-18.93139	-31.86706	-18.93139

Treatment	SUCRA	PrBest	MeanRank
Conservative	29.0	0.0	4.6
CooledRF	78.0	5.6	2.1
ThermalRF	60.6	0.0	3.0
PulsedRF	31.0	0.0	4.4
Injection	2.5	0.0	5.9
Fusion	98.9	94.4	1.1

