

Table 1. Search strategy for Pubmed, Cochrance, Medline, Embase, Scopus and Web of science

	No	Query
Pubmed (527)	#1	(Intervertebral Disc Displacement[MeSH Terms]) OR (Disc Displacement, Intervertebral[Title/Abstract]) OR (lumbar disc herniation[Title/Abstract]) OR (Intervertebral Disc Displacements[Title/Abstract]) OR (Disk Protrusion[Title/Abstract]) OR (Disk Protrusions[Title/Abstract]) OR (Protrusion, Disk[Title/Abstract]) OR (Protruded Disk[Title/Abstract]) OR (Protruded Disks[Title/Abstract]) OR (Intervertebral Disk Displacement[Title/Abstract]) OR (Disk, Herniated[Title/Abstract]) OR (Herniated Disks[Title/Abstract]) OR (Slipped Disk[Title/Abstract]) OR (Disk, Slipped[Title/Abstract]) OR (Disk Prolapses[Title/Abstract]) OR (Prolapse, Disk[Title/Abstract]) OR (Herniated Disc[Title/Abstract]) OR (Slipped Discs[Title/Abstract]) OR (Prolapsed Discs[Title/Abstract]) OR (Intervertebral Disc Herniation[Title/Abstract]) OR (Intervertebral Disk Herniation[Title/Abstract]) OR (Intervertebral Disk Protrusion[Title/Abstract]) OR (Intervertebral Disc Protrusion[Title/Abstract]) OR (Disc Protrusion[Title/Abstract]) OR (Disc, Protruded[Title/Abstract]) OR (Discs, Protruded[Title/Abstract])
	#2	(Intervertebral Disc[MeSH Terms]) OR (Intervertebral Disk[Title/Abstract]) OR (Disc, Intervertebral[Title/Abstract]) OR (Discs, Intervertebral[Title/Abstract]) OR (Intervertebral Discs[Title/Abstract]) OR (Disk, Intervertebral[Title/Abstract]) OR (Disks, Intervertebral[Title/Abstract]) OR (Intervertebral Disks[Title/Abstract])
	#3	"Endoscopy"[Mesh] OR "Arthroscopy"[Mesh] OR "Percutaneous endoscopic"[Title/Abstract] OR "Percutaneous Endoscopic Lumbar Discectomy" OR "Microendoscopic discectomy"[Title/Abstract] OR "PELD"[Title/Abstract] OR "MED"[Title/Abstract] OR "PTED"[Title/Abstract] OR "SELD"[Title/Abstract] OR "Percutaneous transforaminal endoscopic discectomy"[Title/Abstract] OR "Microendoscopic lumbar discectomy"[Title/Abstract] OR "Single-level" OR "Single-port" OR "Single-channel" OR "Single-tube" OR "Uniportal"[Title/Abstract]
	#4	"Unilateral biportal endoscopy"[Title/Abstract] OR "Biportal endoscopic spinal surgery"[Title/Abstract] OR "Percutaneous biportal endoscopic decompression"[Title/Abstract] OR "Irrigation endoscopic discectomy"[Title/Abstract] OR "Biportal arthroscopic spinal surgery"[Title/Abstract] OR "UBE"[Title/Abstract] OR "BESS"[Title/Abstract] OR "Dual-channel"[Title/Abstract] OR "Dual-port"[Title/Abstract] OR "Two-channel"[Title/Abstract]
	#5	(#1 OR #2) AND #3 AND #4
Cochrance (22)	#1	(Intervertebral disc displacement OR Disc displacement, Intervertebral OR lumbar disc herniation OR Intervertebral disc displacements OR Disc protrusion OR Disk protrusion OR Protruded disk OR Protruded disc OR Herniated disk OR Herniated disc OR Slipped disk OR Slipped disc OR Disc prolapse OR Prolapsed disc OR Intervertebral disc herniation OR Intervertebral disk herniation) OR (Intervertebral disc OR Intervertebral disk)

	#2	Endoscopy OR Arthroscopy OR Percutaneous endoscopic OR Microendoscopic discectomy OR PELD OR MED OR PTED OR SELD OR Percutaneous endoscopic lumbar discectomy OR Percutaneous transforaminal endoscopic discectomy OR Microendoscopic lumbar discectomy OR Single-level OR Single-port OR Single-channel OR Uniportal
	#3	Unilateral biportal endoscopy OR Biportal endoscopic spinal surgery OR Percutaneous biportal endoscopic decompression OR Irrigation endoscopic discectomy OR Biportal arthroscopic spinal surgery OR UBE OR BESS OR Dual-channel OR Dual-port OR Two-channel
	#4	#1 AND #2 AND #3
Medline 115	#1	exp Intervertebral Disc Displacement/ OR (Disc Displacement, Intervertebral OR lumbar disc herniation OR Intervertebral Disc Displacements OR Disk Protrusion OR Disk Protrusions OR Protruded Disk OR Protruded Disks OR Intervertebral Disk Displacement OR Disk, Herniated OR Herniated Disks OR Slipped Disk OR Disk Prolapses OR Herniated Disc OR Slipped Discs OR Prolapsed Discs OR Intervertebral Disc Herniation OR Intervertebral Disk Herniation OR Intervertebral Disk Protrusion OR Intervertebral Disc Protrusion OR Disc Protrusion OR Disc, Protruded OR Discs, Protruded).mp.
	#2	exp Intervertebral Disc/ OR (Intervertebral Disk OR Disc, Intervertebral OR Discs, Intervertebral OR Intervertebral Discs OR Disk, Intervertebral OR Discs, Intervertebral OR Intervertebral Disks).mp.
	#3	exp Endoscopy/ OR exp Arthroscopy/ OR (Percutaneous endoscopic OR Microendoscopic discectomy OR PELD OR MED OR PTED OR SELD OR Percutaneous Endoscopic Lumbar Discectomy OR Percutaneous transforaminal endoscopic discectomy OR Microendoscopic lumbar discectomy OR Single-level OR Single-port OR Single-channel OR Single-tube OR Uniportal).mp.
	#4	(Unilateral biportal endoscopy OR Biportal endoscopic spinal surgery OR Percutaneous biportal endoscopic decompression OR Irrigation endoscopic discectomy OR Biportal arthroscopic spinal surgery OR UBE OR BESS OR Dual-channel OR Dual-port OR Two-channel).mp.
	#5	(1 or 2) and 3 and 4
Embase (168)	#1	'intervertebral disc displacement'/exp OR 'disc displacement, intervertebral':ab,ti,kw OR 'lumbar disc herniation':ab,ti,kw OR 'intervertebral disc displacements':ab,ti,kw OR 'disk protrusion':ab,ti,kw OR 'disk protrusions':ab,ti,kw OR 'protrusion, disk':ab,ti,kw OR 'protruded disk':ab,ti,kw OR 'protruded disks':ab,ti,kw OR 'intervertebral disk displacement':ab,ti,kw OR 'disk, herniated':ab,ti,kw OR 'herniated disks':ab,ti,kw OR 'slipped disk':ab,ti,kw OR 'disk, slipped':ab,ti,kw OR 'disk prolapses':ab,ti,kw OR 'prolapse, disk':ab,ti,kw OR 'herniated disc':ab,ti,kw OR 'slipped discs':ab,ti,kw OR 'prolapsed discs':ab,ti,kw OR 'intervertebral disc herniation':ab,ti,kw OR 'intervertebral disk herniation':ab,ti,kw OR 'intervertebral disk protrusion':ab,ti,kw OR 'intervertebral disc protrusion':ab,ti,kw OR 'disc protrusion':ab,ti,kw OR 'disc, protruded':ab,ti,kw OR 'discs, protruded':ab,ti,kw
	#2	'intervertebral disc'/exp OR 'intervertebral disk':ab,ti,kw OR 'disc, intervertebral':ab,ti,kw OR 'discs, intervertebral':ab,ti,kw OR 'intervertebral discs':ab,ti,kw OR 'disk, intervertebral':ab,ti,kw OR 'disks, intervertebral':ab,ti,kw OR 'intervertebral disks':ab,ti,kw

	#3	'endoscopy'/exp OR 'arthroscopy'/exp OR 'percutaneous endoscopic':ab,ti,kw OR 'microendoscopic discectomy':ab,ti,kw OR 'peld':ab,ti,kw OR 'med':ab,ti,kw OR 'pted':ab,ti,kw OR 'seld':ab,ti,kw OR 'percutaneous endoscopic lumbar discectomy':ab,ti,kw OR 'percutaneous transforaminal endoscopic discectomy':ab,ti,kw OR 'microendoscopic lumbar discectomy':ab,ti,kw OR 'single-level':ab,ti,kw OR 'single-port':ab,ti,kw OR 'single-channel':ab,ti,kw OR 'single-tube':ab,ti,kw OR 'uniportal':ab,ti,kw
	#4	'unilateral biportal endoscopy':ab,ti,kw OR 'biportal endoscopic spinal surgery':ab,ti,kw OR 'percutaneous biportal endoscopic decompression':ab,ti,kw OR 'irrigation endoscopic discectomy':ab,ti,kw OR 'biportal arthroscopic spinal surgery':ab,ti,kw OR 'ube':ab,ti,kw OR 'bess':ab,ti,kw OR 'dual-channel':ab,ti,kw OR 'dual-port':ab,ti,kw OR 'two-channel':ab,ti,kw
	#5	(#1 OR #2) AND #3 AND #4
Scopus 229	#1	(TITLE-ABS-KEY ("intervertebral disc displacement" OR "disc displacement, intervertebral" OR "lumbar disc herniation" OR "intervertebral disc displacements" OR "disk protrusion" OR "disk protrusions" OR "protrusion, disk" OR "protruded disk" OR "protruded disks" OR "intervertebral disk displacement" OR "disk, herniated" OR "herniated disks" OR "slipped disk" OR "disk, slipped" OR "disk prolapses" OR "prolapse, disk" OR "herniated disc" OR "slipped discs" OR "prolapsed discs" OR "intervertebral disc herniation" OR "intervertebral disk herniation" OR "intervertebral disk protrusion" OR "intervertebral disc protrusion" OR "disc protrusion" OR "disc, protruded" OR "discs, protruded") OR TITLE-ABS-KEY ("intervertebral disc" OR "intervertebral disk" OR "disc, intervertebral" OR "discs, intervertebral" OR "intervertebral discs" OR "disk, intervertebral" OR "discs, intervertebral" OR "intervertebral discs"))
	#2	TITLE-ABS-KEY (endoscopy OR arthroscopy OR "percutaneous endoscopic" OR "microendoscopic discectomy" OR peld OR med OR pted OR seld OR "percutaneous endoscopic lumbar discectomy" OR "percutaneous transforaminal endoscopic discectomy" OR "microendoscopic lumbar discectomy" OR "single-level" OR "single-port" OR "single-channel" OR "single-tube" OR uniportal)
	#3	TITLE-ABS-KEY ("unilateral biportal endoscopy" OR "biportal endoscopic spinal surgery" OR "percutaneous biportal endoscopic decompression" OR "irrigation endoscopic discectomy" OR "biportal arthroscopic spinal surgery" OR ube OR bess OR "dual-channel" OR "dual-port" OR "two-channel")
	#4	#1 AND #2 AND #3
Web of science 106	#1	TS=("intervertebral disc displacement" OR "disc displacement, intervertebral" OR "lumbar disc herniation" OR "intervertebral disc displacements" OR "disk protrusion" OR "disk protrusions" OR "protrusion, disk" OR "protruded disk" OR "protruded disks" OR "intervertebral disk displacement" OR "disk, herniated" OR "herniated disks" OR "slipped disk" OR "disk, slipped" OR "disk prolapses" OR "prolapse, disk" OR "herniated disc" OR "slipped discs" OR "prolapsed discs" OR "intervertebral disc herniation" OR "intervertebral disk herniation" OR "intervertebral disk protrusion" OR "intervertebral disc protrusion" OR "disc protrusion" OR "disc, protruded" OR "discs, protruded")
	#2	TS=("intervertebral disc" OR "intervertebral disk" OR "disc, intervertebral" OR "discs, intervertebral" OR "intervertebral discs" OR "disk, intervertebral" OR "discs, intervertebral" OR "intervertebral discs")

	#3	TS=(endoscopy OR arthroscopy OR "percutaneous endoscopic" OR "microendoscopic discectomy" OR peld OR med OR pted OR seld OR "percutaneous endoscopic lumbar discectomy" OR "percutaneous transforaminal endoscopic discectomy" OR "microendoscopic lumbar discectomy" OR "single-level" OR "single-port" OR "single-channel" OR "single-tube" OR uniportal)
	#4	TS=("unilateral biportal endoscopy" OR "biportal endoscopic spinal surgery" OR "percutaneous biportal endoscopic decompression" OR "irrigation endoscopic discectomy" OR "biportal arthroscopic spinal surgery" OR ube OR bess OR "dual-channel" OR "dual-port" OR "two-channel")
	#5	(#1 OR #2) AND #3 AND #4