

Diagnostic accuracy data for review question: How effective are radiological imaging techniques in the diagnosis of spinal metastases, direct malignant infiltration of the spine or associated spinal cord compression?

Key to variables:

- **Study:** study ID
- **Source:** source of data Su 2018 or Li 2019 systematic reviews or our literature search
- **Population:** population tested – people with spinal bone marrow lesions or vertebral compression fractures
- **Condition:** the condition being tested for – either malignant bone marrow lesions or malignant vertebral compression fractures
- **Imaging_group:** type of MRI sequences: chem_shift (chemical shift imaging), conv_dwi (conventional plus diffusion weighted), conv_ce (conventional plus contrast enhanced), conv (conventional sequences)
- **TP, FP, FN, TN:** true positive, false positive, false negative, true negative

study	source	population	condition	Imaging_group	TP	FP	FN	TN
Kim 2014	Suh 2018	Bone marrow lesions (BML)	Malignant BML	chem_shift_bml	18	0	3	11
Erly 2006	Suh 2018	Vertebral compression fractures (VCF)	Malignant VCF	chem_shift_vcf	19	3	1	26
Douis 2016	Suh 2018	Bone marrow lesions (BML)	Malignant BML	chem_shift_bml	11	12	1	33
El-Samie 2015	Suh 2018	Bone marrow lesions (BML)	Malignant BML	chem_shift_bml	32	0	7	24
Geith 2012	Suh 2018	Vertebral compression fractures (VCF)	Malignant VCF	chem_shift_vcf	10	3	10	23
Kim 2017	Suh 2018	Vertebral compression fractures (VCF)	Malignant VCF	chem_shift_vcf	23	1	1	19
Ogura 2012	Suh 2018	Vertebral compression fractures (VCF)	Malignant VCF	chem_shift_vcf	28	9	0	33
Ragab 2009	Suh 2018	Vertebral compression fractures (VCF)	Malignant VCF	chem_shift_vcf	19	0	1	20
Rathore 2017	Suh 2018	Bone marrow lesions (BML)	Malignant BML	chem_shift_bml	36	14	6	70
Tadros 2016	Suh 2018	Bone marrow lesions (BML)	Malignant BML	chem_shift_bml	15	4	1	10
Ovali 2017	Suh 2018	Vertebral compression fractures (VCF)	Malignant VCF	chem_shift_vcf	19	7	0	42
Mittal 2016	Suh 2018	Vertebral compression fractures (VCF)	Malignant VCF	chem_shift_vcf	18	1	2	17
Zampa 2002	Li 2019	Vertebral compression fractures (VCF)	Malignant VCF	chem_shift_vcf	40	8	5	33

study	source	population	condition	Imaging_group	TP	FP	FN	TN
Jung 2003	Li 2019	Vertebral compression fractures (VCF)	Malignant VCF	conv_ce_vcf	27	4	0	51
Bhugaloo 2006	Li 2019	Vertebral compression fractures (VCF)	Malignant VCF	conv_dwi_vcf	28	11	2	27
Oztekin 2009	Li 2019	Vertebral compression fractures (VCF)	Malignant VCF	conv_dwi_vcf	34	3	3	24
Pongorsop 2009	Li 2019	Vertebral compression fractures (VCF)	Malignant VCF	conv_ce_vcf	34	1	1	22
Biffar 2010	Li 2019	Vertebral compression fractures (VCF)	Malignant VCF	conv_dwi_vcf	13	3	7	21
Biffar2011	Li 2019	Vertebral compression fractures (VCF)	Malignant VCF	conv_dwi_vcf	19	0	1	20
Mubarak 2011	Li 2019	Vertebral compression fractures (VCF)	Malignant VCF	conv_dwi_vcf	36	4	8	15
Tokuda 2011	Li 2019	Vertebral compression fractures (VCF)	Malignant VCF	conv_vcf	50	3	3	41
Ogura 2012	Li 2019	Vertebral compression fractures (VCF)	Malignant VCF	chem_shift_vcf	20	0	8	42
Pozzi 2012	Li 2019	Vertebral compression fractures (VCF)	Malignant VCF	conv_dwi_vcf	22	1	1	9
Wonglaksanapimon 2012	Li 2019	Vertebral compression fractures (VCF)	Malignant VCF	conv_dwi_vcf	6	3	1	29
Geith 2013	Li 2019	Vertebral compression fractures (VCF)	Malignant VCF	conv_ce_vcf	12	1	7	24
Geith 2014	Li 2019	Vertebral compression fractures (VCF)	Malignant VCF	conv_dwi_vcf	17	4	3	22
Sung 2014	Li 2019	Vertebral compression fractures (VCF)	Malignant VCF	conv_dwi_vcf	30	1	0	31
Zidan 2014	Li 2019	Vertebral compression fractures (VCF)	Malignant VCF	chem_shift_vcf	14	3	1	14
Arvelo-Perez 2015	Li 2019	Vertebral compression fractures (VCF)	Malignant VCF	conv_ce_vcf	17	6	2	22
Zou 2016	Li 2019	Vertebral compression fractures (VCF)	Malignant VCF	conv_vcf	46	7	3	8
Bacher 2021	Lit search	Vertebral compression fractures (VCF)	Malignant VCF	chem_shift_vcf	31	1	1	62
Kato 2015	Lit search	Vertebral compression fractures (VCF)	Malignant VCF	conv_vcf	28	0	2	30
Maeder 2018	Lit search	Bone marrow lesions (BML)	Malignant BML	chem_shift_bml	90	1	4	26
Perry 2018	Lit search	Bone marrow lesions (BML)	Malignant BML	chem_shift_bml	23	4	2	21
Razek 2019	Lit search	Vertebral compression fractures (VCF)	Malignant VCF	conv_dwi_vcf	23	1	1	18
Schmeel 2018	Lit search	Vertebral compression fractures (VCF)	Malignant VCF	chem_shift_vcf	23	4	2	23
Schmeel 2021	Lit search	Bone marrow lesions (BML)	Malignant BML	chem_shift_bml	34	1	2	52
Shi 2017	Lit search	Bone marrow lesions (BML)	Malignant BML	chem_shift_bml	67	12	4	21
Taheri 2017	Lit search	Bone marrow lesions (BML)	Malignant BML	chem_shift_bml	87	3	0	26
Zafar 2020	Lit search	Vertebral compression fractures (VCF)	Malignant VCF	conv_dwi_vcf	17	8	15	240