			Bendetler				T		1
Bibliographic Citation	Evidence Level	Study Design : timing	Inclusion	Exclusion	Patients Demographics	Outcome measures - data collection	Results	Conclusions	Study Limitations
Ann K-S, Kang CH, Eine Y, Jeney W-E. Dagenesis of adverse capaultis: Comparison of contrast-enhanced MH with neurointrast-enhanced ML. Clinical Imaging 2015; 39(6):1081-1067.	Low	retrospective consecutive	All publishs undergoing CE MM in registered time frame	a patients were excluded das to the following reasons: previous history of trauma (ro-3) and operation (ro-2), englishin (ro-11), direction (ro-2), modified (ro-1), englishing (ro-1), modified (ro-1), englishing (ro-1), and modified (ro-1), englishing (ro-1), and modified (ro-1), englishing (ro-1), and modified (ro-1), and ro-1), and modified (ro-1), and modifie	To AC partnershares composed of 10 men and 10 women with a manage of 3.33 years (range: 18 74 years), adverses the 35 control individual, were 28 men and 72 women, with memory and 10 memory and 10 memory and memory and 10 memory and 10 memory and memory and 10 memory and 10 memory memory and 10 memory and 10 memory "control" patients that many other shouldes patients and the shouldes)	The apper specifically focuse to some if the lay yrange future such as 12 appendix thickness, and exhancement of the sailing point capuel and rotation interval and capacity and rotation interval and dial appendix the same state of the other second state of the same state of the and existing appendix the same state of	Notin equirity to sulture joint capuel existions, a could value of 10 mm provided the highest sensitivity and specificity, 51% Colomer 11 as enablished to the sulture of 20 mm exact register to 2	In the toordering, this is the second report to compare the diagnost performance and dearware reliability of non C4 and C4 MM for AC, Capular the/texast, Ta hyper-signal AC, Capular the/texast, Ta hyper-signal muss, and capater thread and the second second muss, and the second second second second the second second second second second second d the satisfiest capaters performance with the hybrid second second second second second large during the second second second second second second second second second second second second second second second se	Selection but and its introception decay are the region institution of this black, These were unavoidable productivity prions that the Acobert was derived from the expertise of a range enhanced the enhanced selection of the black of the addition, not all patients the control groups are informed for ranging by the black or galacticit. However, since a final enhanced and the selection of the selection of the selection of the patients the control groups and controls. The selection of the sele
Cortes A, Quirlan NJ, Nacal Mite et al. A volue based care and anyon of magnetic resources of context of the angle of the resource of context of the angle of the management. J Shoulder Ebox Surg. 2019; 20(1):2133-2160.	Low	propertive consecutive	age 13 general order, civil compating of shoulder patification an anti-terrational philotication an anti-terration compatibility of the state of the state philotication and the state of the state philotication and the state of the state philotication and the state of the state state compatibility of the state of the state and compatibility of the state of the state of the state of the state of the state of the state state of the state of the state of the state of the state of the state of the state of the state of the state state of the state of the state of the state of the state state of the state of the state of the state of the state state of the state of the state of the state of the state state of the state of the state of the state of the state state of the state of the state of the state of the state state of the state of the state of the state of the state of the state state of the state of the state of the state of the state of the state state of the state of the state of the state of the state of the state state of the state of the	Previously diagnosed RC based on ML, jork house surgery, bytech subject to the second	A fauta of 31 gatemick area (school in this faulk), 31 area mail (school 31 and 21 and 21 school 31 area (school 31 and 21 and 21 school 31 area (school 31 area), 31 area (school 31 area), 31 area (school 31 area), 32 area, 32	The pinnary outcome measure of this study uses progression sciency. All asticuts used of a chical findings and complete a subjective shouldes used to an end of the automatical study of the study of the automatical study of the study of the study of the study of the study of the felorably trained radiosigit and the series while find a characturbe management for physical theory activity modification, nonstread autoinflammatory drogs, and physical theory activity modification abstret ducation, activity modification abstret ducations, activity modification abstret ducations, and the series abstret ducation activity modification abstret ducations, and the series abstret ducation activity modification abstret for on the medical record. Statistical testing include independent angle is for categorical variables and mact tests for categorical variables.	Of the codor, 46 (BO2X) patients did not go on to surgical intervention, whereas 5 (B RN) patients did at an average dB3 days after implight, That ready against that over 5 (S RN) patients (4 d d S1) had premature MRI, pooling an unnecessary economic burden of S182.015 in advanced imaging charges.	The use of MRL barbys at toi of construction management is plated with structuret. The structure of the structure of the structure of the one physical essentiation, and suspected of all structures of the structure of the structure of the physical essentiation of the individual and population free.	Trist, the touch was performed at the specialized care of a particle medicine cilic, if a registry large trains trains beams that is not provide a more throughouse on the particles of the analysis photon, shown electronic terms on parameter of any entry and the registry of particle cilicated trainstrum, we believe that the deversity of the particle and the specialized trainstrum, we believe that the deversity of the particle and the specialized trainstrum, we believe that the deversity of the analysis and the specialized trainstrum, we believe that the deversity of the analysis and the specialized trainstrum, we believe that the deversity of the analysis and the specialized trainstrum, we believe that the deversity of the analysis and the specialized trainstrum and the cilicate and the specialized trainstrum and the particle trainstrum and the special construction to analysis of the same particles built care as shown and the analysis of the specialized trainstrum and the particle trainstrum and the special construction to analysis of the same parties built care as shown and and there there there are however, finally, small tackbornstrum much in the same parties built care solves and and there there are there are however the trainstrum and the particle structure the same parties built care solves the analysis of the same parties built the same parties the same parties the same parties built care solves the analysis of the same parties the same parties the same parties the same parties the same parties the same parties the same parties the same the same parties the same the same parties the same trainstrum the same parties the same trainstructure the same parties the same the same parties the same trainstructure the same parties the same trainstructure the same parties the same parties the same parties the same trainstructure
Erber B, Hesse N, Glaer C, et al. MR imaging detection of adhesive capulitis of the shoulder: impact of intravenous contrast administration and reader's experience on diagnostic performance. Skeletal Radiol. 2022; 51(9):1807-1815.	Low	retrospective	Skry atters with dirical ages of ALS referred to are orapatern radiogram. In the oral received non-enhanced and EL MBI of the shoulder on request of their referring physicians.	History or evidence of previous shoulder surgery, shoulder trauma, previously known rotator culf tear or Isbral leision, calcific tendinosis, heumataid or septic arthritis, oxteoarthritis » grade 1 according to the Keitgera-tuwence classification, or neurologic deficit	Stety of 180 patients had clinical sign of ACS as defined by the standard of reference for this study and different levels of imaging characteristics of adhesive capsultist. Mann age was \$8 (50 ± 12.1) years in the control group and \$8 (50 ± 12.1) years in the contro group and \$10 ± 10.01 km years in the ACS group. Attal of women to men was \$1.0 ± 40% (a female and \$2 m km patients) in the contro group and & 0.5 2% (25 female and 31 male patients) in the ACS group.	In a first session, only non-enhanced image is and in a second session alloc contrast- enhanced (E1) series were independently valuated by three radiologistic. Readers were binded to all clinical information and had to rate the shoulder MRIs for absence or presence of adhesive capsultis. Data a maniysis included MRIsmar's test, t test, and U test (p<.05).	In the ACS group, B-27 (EVG/0) presented with shoulder pairs, B-27 (EVG/0) with resisted external notation, BL 315 (EVG/0) with residued abactions and anterine failous, and P-27 (EVG/0) with residued abactions and anterine failous and P-27 (EVG/0) with residued abaction and pairs from and a P-27 (EVG/0) with residued abaction and pairs of the AL abaction and P-27 (EVG/0) with residued abacting	The addition of CE sequences can ignificantly increase the antivity of MRI in the diagnosis of ACS. Reader's experience has shown to be another important factor for the diagnostic outcome.	One limitation less in the retropporte character of our study. Furthermore, as many effects of our study population retrevid constants treatment, which is the studyed descript for ACS, we were not able solution artifactory of the studyed of the studyed solution artifactory of the studyed and a study because the studyed solution artifactory of the presence of at least four out of five clinical agent of ACS, we have probably included almost exclusively cases with clinically clear degrades of ACS but not chinically difficult cases.
Feti G, Manthuani W, Catana M, et al. Evaluation of glocol labari tesrs: Comparison between dual-energy CT arthrography and MB arthrography of the shoulder. Radiol Med. 125(1):39-47.	moderate	prospective consecutive	patients who underwent DC CTA and MRA the same day (mean interval 30 min) were included.	Sven patients were excluded becaue of the lack of DEC of MR studies (n = 2, lack of surgical coefficmation (n = 4, or incomplete MRI protocol (n = 1).	A total of 47 poients (28 make, 19 females; meana age of 34 2 years, range 31-60 years) were included.	Dagnotic accuracy values were calculated by using surgery as standard of reference. httpr://scenver and lotra-observer agreements were calculated with k statistics. A value of p < 0.05 was considered statistically significant.	Surgery revealed the presence of labor taxes in 38(47 patients (B2095), Sensitivity and specificity values in disposi- tion burle net were 84.3 and 72.8 for MM (Marked 7), JA2 via 70.4 (FG CT (Restort 1), JA2 via 84.8 M) for CT (Alford 12), JA2 via 84.8 M) for CT (Alford 12), JA2 via 84.8 M) for CT (Alford 12), JA2 via 84.8 M) for CT (Alford 12) and 38.9 M for CT (Alford 12) and 30.0 M for Alford 12) and 30.0 M for Alford 12 and 30.0 M for CT (Alford 12) and 30.0 M for Alford 12) and 30.0 M for CT (Alford 12)	DE-CTA and MRA were not different in terms of diagnostic performance.	Find, all the envolved patients were only worthogetic suggeons with a concrete suggeot table allor and and autopathy increased suggeot possibly introducing a selection base with respect to patients population. That theremore, the suggeot models and and the suggeot findings was performed in this study, and lealows are not graded. Allos, a findings including book substant and Hild-Saches and and the study of the suggeot findings in the performant in the suggeot provide and study and and the substant and Hild-Saches and a study and the study and and the substant and Hild-Saches and a study and the study and the were not considered in our statistical analysis, even though they were relatively uncommon in our study population.
Hoenecke HR, Jr., Hermida JC, Hores- Hernandez C, et al. Accuracy of CT-based measurements of glenoid version for btal shoulder arthroplasty. J Shoulder Elbow Surg. 2010;19(2):166-71.	low	prospective consecutive	patients with oxteoarthritis scheduled for total shoulder arthroplasty.		The mean patient age wat 75 years (range, 56- 90 years). There were 11 males and 22 females.	Glenoid version and maximum wear of glenoid articular surface; inter-observer error tested.	In this cohort of nations, the true vention is a reasonard and D-CT reconstruction) areas 4.6 degrees (+, 2-8 degrees). The average boldnet error in the vention measure doe to DCT is clop saying threads the II of the concession of maximum were in arthritic glenode degrees, P-X 2013. When the high-resolution IB-CT reconstructions were availyned, the location of maximum were in arthritic glenode as most commonly-outpointerflower (DH is the position if reconstructions) were availyned, the location of maximum were in arthritic glenode as most commonly-outpointerflower (DH is the position if relation glenode and the position if the option relation in the maximum were were detected accurately in only 48% of cases in the clinical 20 avail CT slices.	Moderate difference between 2D and 3D. The maximum wear was detected accurately in only RSN of cases in the clinical 2D axial CT siles. CT assessments of glenod version. We cannot, however, recommend a T cas in each case, because we have yet to collect evidence in the form of better clinical outcomes.	Under if prospective or entroperties, support prospective view was not blieded uncorporation reference standard is 30 CT - companies and enformed and the same no inter vater reliability no post operable outcome measures, direct or indirect.
Knill EC, Chi JA, Lee C, Di H, Subcacpularia (SQC) tendon tens: Dispatch genomenance and reliability of magnetic reasonance anthrography (MMA) with arthrococpic correlation and comparison with clinical tests. Saketal Radid. 2021; 50(8):1647- 1655.	low	retrospective consecutive	patients who underwort clinical tests and sublement attraccopic surgery within 90 days of the MRA.	Of 94 partients, we exclude 276 due to the following racess: 113 who MR technical causes, sha nontrushardiend protocol (n = 38), poor image quality (n = 24), and excretice contrast taskage from the joint (n = 3), all with previous SSC tendon surger (n > 53), and an interval more than 50 days between MRA and ambruccopy (n = 33), condening the 3 month contex-table treatment and doservation previo.	A tobil of 272 patient; (107 males and 165 females; gas rangs, 167-8; years; meas, 568 years). The median time between hear, and antinoxcopy was 47.7 days (1-48 days).	Tagottic performance was determined using arthrocogy ang gold standard and compared with results of four initical tests. Thirty- and inter-down reliabilities of two reviewers were evaluated using lappa statistics.	To full-filediness team, mean values of sensibility, specificity, and accuracy of neiveer 2 liver 2 li	MRA showed high diagonstic enformance for the diagonsi of S24 trends tears, expectially MI thickness, tears, with good inter- and intra- duction of the second data of the level of experience of the reviewer.	First, this was a retrospective study, which may include a selection bast. Second, although anthrocopy served a selement standard, that to be onlinitations, expecting which inform separation and the SIC includes, which may have caused and the selection of the SIC includes, which may have caused and second selection of the selection of the selection of the second selection of the selection of the selection of the selection statistical analysis. Fourth, the time interval between prospective MRA and arthrococy of MRA that SIC case may have progressed a beam partially leaded aning the time of MRA that SIC case may have progressed and beam partially leaded and arthrococy of MRA that SIC case may have progressed and beam partially leaded aning the time depresentive schematic leade, beam and the selection of the selection depresentive schematic leader beam and the selection of the selection overlapping clinical histories, and authors did not want to make incorrect assumptions.
Lee H. Ahn M. Kang Y. et al fooluation of the subcupularis tendon team on 17 magnetic resources attrography. Comparison of diagnostic porformanesh harmonic comparation of the subcupulation pain-echo sequences. Korean I Radiol. 2018; 19(2):320-327.	low	retrospective consecutive	Interest who had undergree MIG within 3 months between April and December 2015.	Patients who had not performed subsequent arthrocopy within 1 months, patients without observation arthrocopy results of 35 patients who had periodically subsequent bandwide suppre, patients younger than 16 years of age.	A total of 130 patients were koulded in the study (inear age, CZ years; age range, 36-81 years; 50 men and 70 worney). The mean ternal batwere MB and arthroscopic surgery was 11 days (range, 1-84 days).	TI SPW and T2 TSI images in separate seasons for the integrity of the SSI sendor, seasons for the integrity of the SSI sendor, seasoning second/section under particular term of the season (PTR) full devices of the section of the endormal section of the season of the section of the section of the section s	There are 91 SEC tasked team (a BFT) and BFT) and BFT) continued by arthroughy significant differences are from 4 in the sensitivity and concare between 119 Brand 12 TSL cup 44 Mechanic stres. Internotion frant of 53–54 Mechanic Team (34–54 Mechanic Stress and resource frant of 53–54 Mechanic Team (34–54 Mechanic Stress and resource frant of 53–54 Mechanic Team (34–54 Mechanic Stress and resource frant of 53–54 Mechanic Team (34–54 Mechanic Team) and the 51–57 Mechanic frant of 53–51 Mechanic Stress and resource and 84 Mechanic Stress and resource frant of 13–57 Mechanics and the 51–57 Mechanics an	T1-weighted spectral prestantistic with investigated spectral prestantistic sources and and accurate compared to 72 TSE in detecting SIC tendon tear on 37 MRA.	Sudy as performed in the parent with bid endergine attraction currence of apportation operation bars institutly high provincing of high grade notator cull trac. Concerlated interchinal bars and burst-in further areas were not included in this study, as the reference method of attraction currence provide the information regarding there types of SSC trendom terms. In all bits to evaluate a segarant diagnost performance of MMA state automational disposition interconcerlation and and there types of SSC trendom terms. In all bits to evaluate maccular periods, and muscularentical point and automational disposition (e.g., lasting and the segarant diagnost on the arthrocopic disposition). The there evaluation of MAA was notify bits and the arthrocopic regional and the state suppression, our results of the 17 12 fd on temperate the true diagnostic accuracy of 11 MMI.
Pessis E, Mihoubi F, Feydy A, et al. Usefulness of intravenous contrast- enhanced MR for diagnosts of adhesive capsulitis. Eur Radiol. 2020; 30(11):5981- 5991.	low	retrospective consecutive	patients with a clinical diagnosis of AC who underwent MRI of the shoulder with IV injection of a gadolinium-based contrast and diagnostic and therapeutic arthrography	patients with an incomplete medical record, incomplete MRI protocol, or lack of arthrography	total of 42 patients in the AC group (mean age 53.1; age range 35-68; 69% women) and 42 patients in the control group (mean age 50.6; age range 18-82; 54.8% women)	Reliability and performance of MRI findings were compared between IV contrast-enhanced measures and non- enhanced MRI measures in T2-weighted raft asturated and T1-weighted mages. MRI findings were correlated with clinical stage, etiology, and pain.	Sensitive (JD 250) and specificity (JD 260) of vality recess capules signal enhancement for AC disposits were supficiently septera for a Co2013 to hyperiment againsko in 27 weighted in stoppessal marging capulation (HS 263, Specifical P2 270). Measures of the intensity signal in her are of the rotator intensit were isos performant for AC disposits her capacite herbaccement. Horknower, we float our hyperback(HS) (CD) of enhancement of the coancellurural ignament signal for AC disposit. The endy stage of adhesive capacities was positively correlated with joint capacite enhancement in the rotator interval. Secondary eticlogo of capacities was correlated with joint capacite hyperimtennity signals of the notator interval on 72 weighted fits suppressed images.	IV contrast injection with MRI can be helpful for AC diagnosis in difficult cases. The stage of AC seems related to joint capsule enhancement in the rotator interval.	Insufficient number of patients and controls

Raymond AC, McCann PA, Sarangi PP,	Low retrospective	Inclusion criteria was a diagnosis of end-stage	Excluded were patients who had previous	There were 26 women and 17 men who were a	Interobserver reliability, intraobserver	The mean retroversion measured on AXR was significantly greater than that measured on MRI, with the mean difference of glenoid	This study confirms that AXRs should be	This work has some limitations. Firstly, the observers were not blinded to patient identity
Nagnetic reconstance scanning are unillary reconstruction the second of planear workson for extremented of planear Sociader and Elbow Surgery 2013; 22(8): 1078-1083.	Consecutive	perohumeral ossearthritis.	suggery that would also the association of the general, such as an open stabilisation with bone block, or those whose images could not be accurately areased because the quality was too poor	mean ago d 68 years (range, d-68 years) are the billiad assessment. There were 19 right abouters and 29 left shoulders. Immary gloenburneral colocarribritis was the pathology in all shoulders.	reliability, glenoid version, Walch glenoid morphology	version of 7.36 degrees (P < 201), whereas the interchance and introducence reliabilities for MB were grater than that of AXR. The larger difference between MB and AXR of the same shoulder was -33 degrees. Glenoid retroversion was greater compared with MB in 73% of AXRs.	Integrated with caution who assussing the pattern and extent of posterior genoration was in catecutritist. The authors suggest that plant andiographs that due to be used for properties templating in inclusion but due to commonly bus wall modelly for basic dagnostic purposes. Mell represents a proties dagnostic purposes. Mell represents a proties dation to inic scatabilitar addation, in addition to inic scatabilitar addation, in addition to inic scatabilitar addation, in addition to inic scatabilitar addition in assessment of the rotation cuff.	when association the MHS and ARN. This, limitation was minimised by performing ARS distances and an another the second distances and the intervention. The intervention were hidden to prove the full and on a thick second the MLS associated were operiorised in only the axial plane. It is taken the MLS associated would be new more accurate. Multiplane analysis of the patient of glenoid was would be one under the second second and particularly information. And func- ation comparing MHI and CT modalities would be particularly information.
Razmiou H, Fourrier-Gosselin S, Christakis M, Penniga K, ElMaragh A, Holtby R. Accuracy of magnetic resonance imaging in detecting bices pathology in patients with rotator cuff dioorders: Comparison with arthroscopy. Journal of Shoulder and Elbow Surgery 2016; 25(1):38-44.	Low retrospective non- consecutive	Patients with impingement syndrome or rotator cuff tear, with itady group) or without (control group) bicops disease, who had participated in previous studies from 2003 to 20.14 were reviewed. For the purpose of consistency, only patients whose nonccentrast MRI study was performed in the institution were included.	Patients with an unknown response for the extent of blicge disease on the MRI report were excluded.	188 (100 study and 53 control) patients (73 women (40%), Liome (60%); mean age, 62 years [standard deviation (5D), 9; range, 41- 84])	Sentitivity and specificity of MRI at finding partial-thickness biceps tear; Sensitivity and specificity of MRI at finding full-thickness biceps tear;	 All thickness tear accuracy, <i>J.R.</i>, pumilithing 54, specificity 39, 18–16 (B. 4.7) Antitu thickness tear accuracy, <i>J.S.</i> and thick <i>J. S.</i> and <i>B. B.</i> 4 Dislocation accuracy, <i>B2</i> annihulwy 1.00 specificity, <i>X3</i> (Ji+ 6 (Ji- 52) 	98% specificity for biceps tendon tears, 100% sensitibity for biceps subluxation/dislocations	The tady was retropped in nature with deficiencies inherent in such tadies. However, mixing data applied only to the Mixings, as the reach tables and draftis on blocks disease that was completed prospectively, in addison, patients with even integrated by a such display table of the such applied on the such applied on the proverlate/site of the results, considering level of training does influence disposition accuracy.
SIII AP.22007, F.Big A, et al. Calcific tradinois reduce diagnostic performance of magnetic resonance imaging in the detection of rotaro cuff trans. J Comput Assist Tomogr. 2022; 46(2):219-223.	Low retrospective	Patietts who had a shoulder MM or MR arthrogen performed, and rachine conditions," calcil: tradinstir, "or "calcile tradingship" mentioned in the report brevers 1988 and 2017 were returned from a search of an institutional database.	Three patients were excluded for lack of an available operative report.	Porty-eight MMI (mean age, 61.4 years, range, 37-83 years, remote omale ratio, 23-519) and 7 MMA (mean age, 43.2 years, range, 35-64 years, female-to-male ratio, 4:3) patients were included.	Calcific tradinosiswas confirmed radiographically. Two muculosideteal radiographically. Two muculosideteal indicentedity reviewed the MRI/MRA examinations, with surgery or arthrocorpy performed withing 0.0 days of the MRI. Rotatic radii seric categoria da in to fari, Rotatic radii seric categoria da in to fari, mar. Partial-Michanes tan / Wall Michanes tear groups were combined for analysis.	Rader Land rader 2 semithely/secticity values for KTL on MIII were \$55/(30) and \$59/(30), and \$69 values on MIA were LOUG/RT and LOUM/12001, respectively. Overall agreement was present in 87% (48 of 55; 4 × 0.55 (95% confidence interval, 0.26 - 0.83)).	The authors conclude that magnetic resonance imaging has decreated specificity in diagnosing RCTs when calclific tendinosis is present. Magnetic resonance antrography performed better in this population and could be considered.	Trict, lew patients with MMA performed met the licitation criteria, which limited fordings, location, beause of the transportune delarge of the table, comprised configuration of the table and the transport of the table transport of the table transport of the table transport of the transport of the table transport of the transp
Spencer BA, Dollinkar CA, Seymour PA, Thomas JA, Boboud JA, Gienohumeral articular cartiluge lesions: prospective comparison of non-contrast magnetic resonance imaging and findings at arthroscopy 2013; 29(9):1466- 1470.	low (downgrade prospective 2 levels for small consecutive sample size, partial non binding to a arthroscopy results, no confidence intervals)	Inclusion ortherta were a clinical diagnosis of ubacornail impigement or rotator cuff tendinopathy with alied conservative management, a non-constant Mit study obtained in a closed scanner at 1.5 Tor greater, and a surgical arthroscopy performed by the senior author	Exclusion criteria were any revision suggery or inflammatory attropathy or an MRI study of inufficient strength. Patients with radiographic visionec of glenohumeral atteasthritis including joint space narrowing, inferior costephyse formation, subchordnal sciencesic, or posterior glenoid were were also excluded. Fifteen patients were excluded from the study		The sensitivity, specificity, accurace, PPV, and NPV of detecting articular carillage lesions on MRI were calculated as a percent (ranging from 0% to 100%, with 0% being the worst and 100% being perfect; and ongared with arthroncospic. findings as the gold standard. Detection of partial-versus full-thickness cartilage lesions was also evaluated.	The 2 readers combined read 11 of 14 humanal liceions appositive and 44 of 54 comma humanal cartilage surfaces as negative: surfaces and the surface surface surface surfaces and applications and the surface surface surface surface surfaces and pathon and surface surfaces and surface surface surface surfaces and surfaces and surface surfaces and surfaces and surface surface surfaces and surfaces and surface surface surfaces and surfaces and surface surface surfaces and surface surface surface surface surfaces and surface	Effect sites detected were small. In the study the overall accurso of detecting articular cartilage lesions on MW was 69%. The accurso detecting human lesions was 63% (ensitivity, 36%; specificity, 80%), and the accuracy of detecting planned lesions was 73% (ensitivity, 28%; specificity, 82%).	This study has seenal limitation. The authors used various MMI scanners from the community and therm and MMI scanner, which included lefer scanners throughout the scanners throughout the said of different MMI scanners throughout the superschering viellential and galaded all losis on the time of anthrough the includes of multiple surgeons and readers would have allowed us to assess. Interdenter and the surgeons and readers would have allowed us to assess. Interdenter and the surgeons and readers would have allowed us to assess. Interdenter of the loss providence, a larger sample is an would be necessary to draw stronger androuldown inguing the studies can assess and the stronger and an other the statistical measures de detecting gendument antilige lations with the use of non-contrast MMI.
Tadra Add, E. E. Wijmer, L. Homeda, H. Fronk, J. Char, K. Long Nead O'H Joing brackli tendors: unerhanced Mil Baded. 2015;44(9):1203-72.	Lor (Songrade Intropaction for non comparative of comparative of c	The study calors included all patients who underwert arthrocay, although there were a writing of ideactions for shoulder arthrocays pit esti- satisfies of ideactions for shoulder arthrocays pit esti- constructive transmission and the should be indication. Patients with supported idential dramagements, including advormabilities of the labours indication. Patients with supported idential arc without subacconstal implements, adhesive endon leasons, were all included	Patients were excluded if 12 months adaped between Minange and arthrocopy or prior angle3 procedure on the LHST had been performed.	Step patients (16 femalies, 13 an auto, The mean age of patients used SG years (10): Set years), There were 13 21 usershares (14) and years), There were 13 21 usershares (14) and years), There were 14 21 usershares (14) and were 564 years), Carebox (14) were), and etc. Mark were 564 years), Carebox (14) were), and etc. Mark were 564 years), Carebox (14) years), and SR years (15):1-64 years), carebox (14) years), and SR years (15):1-64 years), carebox (14) years), and SR years (14):1-64 years), carebox (14) years), and SR years (14):1-64 years), carebox (14) years), and SR years (14):1-64 years), carebox (14) years), and year and anthroncopy was 61 (carebox - 13), years (14):1-64 years), carebox (14) years), and years (14):1-64 years), and years (15) years), which was partial tochooses taus is use than 50 %, years the tochoose taus is years than 50 %, complete tears).	Samalishi, questicity, positive predictive whole (PW), agging predictive via (PW), and accuracy for interfaced and that and accuracy for interfaced and that and direct MRA were calculated.	Sentibility, separations, PW, NPV, and accuraty were reported in Table 3, Table 4, Table 4, Table 5, Son dedgendent rature, For standhous, MB and Markov BB and SB A set of SB A secondary, compared were sponted by the sponted by the set of SB N PV, AS and B O S N PV, and E (64 N and TA E S N accuracy, respectively, For tana, MRI versus MBA showed 75 B N and 64 7 J N secondary, TA 25 N and 23 9 N separation (64 eV) and 41 B SN PV, B2 67 Jourd 22 9606PV, and 74 78 Jourd 79 B N and 64 7 J N secondary, respectively.	Sinh unshancad Mitia and Greic Mith, are Enris accurate for the disposite of UTI prohotogr- No significant difference was found branch difference of the second second branch difference of tendencies and tendencies of UTI and therefore the addition of enris anticular contrast may not add the addition of enris anticular contrast may not add the addition of enris anticular contrast may not add the addition of enris anticular antibility. Biol Mit Nethiniques Above poor sections on standing evaluation of the section grading antibility. Biol Mit Nethiniques Above poor sections on standing evaluation of the UHIT may allow for improving evaluation of the UHIT may allow the randologies to be confident when appropriate.	There are several initiations to this study. First, the study was a retrospective review there than a proposed weight. Second, there may have been also are intelled to inclusion of any patients with arthoresity performed. Initiately, the providence of 1410 to study on older and the second sec
Vanteske, C. B., J. Karzika, K. Gordon, V. Karjal, M. J. Karam, K. K. Kobo, H. K. Dageoti as scrutery of neocortast MBI for density as a scrutery of neocortast MBI for density as stragestic competition to arthroccepy. J Social et Row Surg. 2014;21(7):3010-6.	moderate prosectie (Govergate for Goversate) e consective small number of regording of confidence intervals,	Consecute patients undergoing brokeler antivencopy for retract offt definipatively by the sense authors were prospectively incredied the sense author were prospectively incredient consecutives about with study performed in a closed scanner of 1.51 or 2.07, and 31 MM sequences are unaltable for ence. Note of the enrolling patients had prior shoulder surgery on the affected side.	none stated	There were 64 (55%) nulle patient, with a mean age 54.3, year, ang 17.4 2, years). There were 59 right as 25 left shoulders in the study cohert.	Sensitivity, specificity, accuracy, PPV, NPV of Milli detection of and algonohuman cartilage isosona (ICR grades 1-4) and of and the sense of the sense of the sense sense of the sense of the sense of the sense metroducer or agreement, intraducerver agreement	1) In evaluating the humeral articular cartilitys, reader 12 correctly diagnosed lesion in 64 of 84 care (TPR securacy), Based 2 ander 2 media correct diagnosis in 05 of 84 cases (BDR securacy), Based 2 media correct diagnosis in 06 of 84 cases (BDR securacy), Based 2 media correct diagnosis in 06 of 84 cases (BDR securacy), Based 2 media correct diagnosis in 06 of 84 cases (BDR securacy), Based 2 media correct diagnosis in 06 of 84 cases (BDR securacy), Based 2 media correct diagnosis in 06 of 84 cases (BDR securacy), Based 2 media correct diagnosis in 06 of 84 cases (BDR securacy), Based 2 media correctly diagnosis (BDR securacy), Based 2 media correctly diagnosis (BDR securacy), Based 2 media correctly and the specificity was 51% and 50% for reader 1 and reader 2, respectively, Fortoserar agreement for the detection of filmed lesions of the specificity was 51% and 50% for reader 1 and reader 2, respectively, Fortoserar agreement for the detection of filmed lesions and based lesions are were also a signitive of 100 cases (BDR securacy), Blow grade lesion (DSR grades 1 and 2 and 2 for the detection of filmed lesions are set and the specificity was 51% and 50% for reader 1 and reader 2, respectively, Fortoserar agreement for the detection of filmed and humeral ad grade detections of filmed and based was also been available of the detection of filmed and based bases are also as gather one (BIR 1 and 2 and 2 for the detection of filmed and based based bases) are set of 10 corrections. The detection of the detection of filmed and based bases are also as gather one (BIR 1 and 2 and 2 for the detection of the detection of the detection of filmed and based bases are also as gather one (BIR 1 and 2 and 2 for the detection of the de	Overall accurs of neocontrast MIII is detecting genomeans and racias ar ratiges taxinos in good. However, detection of anthoge accurate shared taxino of a lacion by MV accurate shared taxino of a lacion by MV accurate shared taxino of a lacion by MV ginobuma articular cartiage. To the basis of these findings, basis and taxino sconnool data and garging anthraccops be informed basis and garging anthraccops be informed basis be understimuted on MII. O'Ropped: a suggest must accurate action when reflect characterization of cartiage leasons. Whereas handlers in the shared basis should an to better direction and the shared basis and the state transfer them can cardinal MIII sequences to cartificate the should and MIII sequences to cartificate the should and the sequences of cartificate the should and the sequences of cartificate leasons are to determine a orticular leason is for detection.	This study del have a few rotable initiations. Shoulder MBI study are performed at utilityle institutions and the lacket a standinger porticol. Steppt the investing, all studies are performed with at least 1.3.1 mapter and overall an energy and a study study of the standing study and the study of the study of the study (a, e) mapter study and the study and the study study and the study (b, e) mapter study and the horizont of the study study and the study study and the study and the horizont of the study study and the study and the study and the study and the horizont study study and the study and the study study model. Now prove study study the study and the study study and have prove study study the study study and the study study study and have prove study study the study study study and have prove study study the study study study and have prove study study study and and the study study study and have prove study study study and study are study in study study and have prove study and study are study in the study study and the study study and study are unable to determine a cricial lease are built with his study and prover study and have prove study and the study study and and the study study and have prove study and the study study and study are unable to determine a cricial lease are built with his study and are study at the likelihood of additional necessary treatment.