

**Table1:** MRI Diagnosis

shows that with MRI about 18 of cases are diagnosed with prostate cancer with percentage of 60% (13 proved to be cancer and other 5 cases were 3 atrophic prostatitis and 2 granulomatous prostatitis) , 4 case are diagnosed as cystic lesion with percentage of 13.3%, 4 case are diagnosed as BPH with percentage of 13.3% and last 4 are suspicious with 13.3% (2 of them proved to be cancer and 2 infarction)

Pathology	MRI Diagnosis	No	Percent
Benign	Cystic lesion	4	26.7%
	BPH	4	26.7%
	Prostate cancer	5	33.3%
	Suspicious	2	13.3%
	Total	15	100.0%
Malignant	Prostate cancer	13	86.7%
	Suspicious	2	13.3%
	Total	15	100.0%

**Table 2:** MRI Diagnostic accuracy for malignant prostatic lesions

shows the sensitivity of MRI diagnosis with 15 cases are true positive with percentage of 50%, 8 cases are true negative with percentage of 26.7% and 7 cases are false positive with percentage of 23.3%. This was reflected in 100% sensitivity, but low specificity (53%) and an overall accuracy of 76.7%.

Pathology		No	Percent
<b>Benign</b>	True negative	8	53.3%
	True positive	—	—
	False negative	—	—
	False positive	7	46.7%
	Total	15	100.0%
<b>Malignant</b>	True positive	15	100.0%
<b>Sensitivity</b>		100%	
<b>Specificity</b>		53.3%	
<b>Positive predictive value</b>		68.2%	
<b>Negative predictive value</b>		100%	
<b>Accuracy</b>		76.7%	

**Table 3: TRUS Diagnosis**

Shows that with TRUS about 4 of cases are diagnosed as malignancy with percentage of 13.3%, 4 case are diagnosed as cystic lesion with percentage of 13.3%, 11 case are diagnosed as BPH with percentage of 36.7% and last 11 are suspicious & for biopsy with percentage of 36.7%.

Pathology		No	Percent
<b>Benign</b>	Cystic lesion	4	26.7%
	Suspicious & for biopsy	7	46.7%
	BPH	4	26.7%
	<b>Total</b>	15	100.0%
<b>Malignant</b>	Suspicious & for biopsy	4	26.7%
	BPH	7	46.7%
	Malignancy	4	26.7%
	<b>Total</b>	15	100.0%

**Table 4: TRUS Diagnostic accuracy for malignant prostatic lesions**

shows the sensitivity of TRUS diagnosis with 6 cases are true positive with percentage of 20%, 8 cases are true negative with percentage of 26.7%, 9 cases are false positive with percentage of 30% and 7 cases are false negative with percentage of 23.3%. This was reflected in weak sensitivity (40%), low specificity (53%) and an overall accuracy of 46.8%

Pathology		No	Percent
<b>Benign</b>	True negative	8	53.3%
	False positive	7	46.7%
	False negative	—	—
	True positive	—	—
	<b>Total</b>	15	100.0%
<b>Malignant</b>	True positive	6	40.0%
	False positive	2	13.3%
	False negative	7	46.7%
	<b>Total</b>	15	100.0%
<b>Sensitivity</b>		40%	
<b>Specificity</b>		53.3%	
<b>Positive predictive value</b>		46.2%	
<b>Negative predictive value</b>		47.1%	
<b>Accuracy</b>		46.8%	