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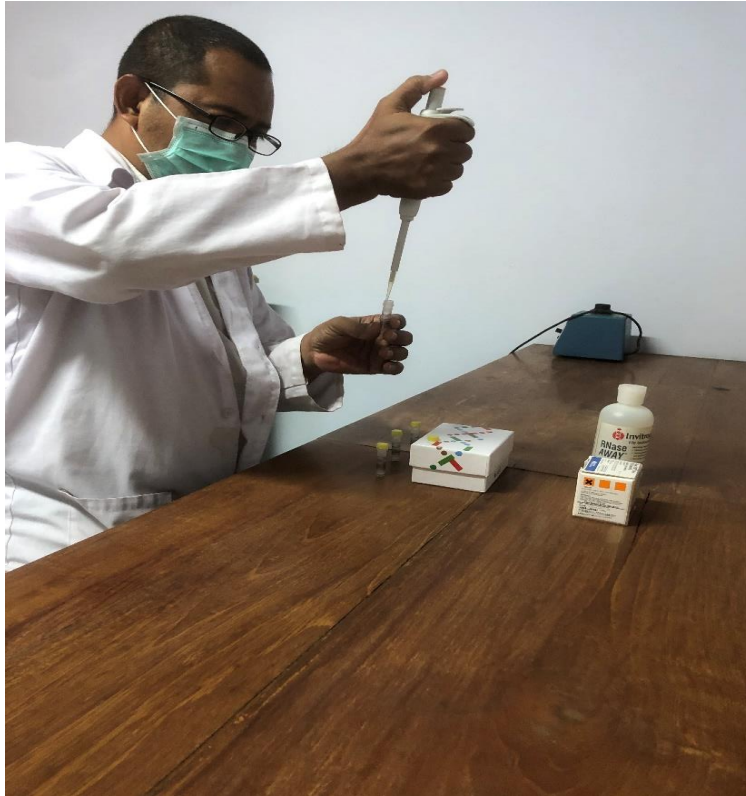Khayyata, S., Barroeta, J. E., LiVolsi, V. A., & Baloch, Z. W. (2008).

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LAMPIRAN

Lampiran 1. Primer RTPCR Gen Human Survivin / Housekeeping Gen GAPDH

Lampiran 2. Primer RTPCR Gen Human Cytokeratin-19 / Housekeeping
Gen GAPDH

Lampiran 3. PCR Master Mix SYBR Green

Lampiran 4. Pembuatan PCR Mix

Lampiran 5. Pengukuran template pada Nanodrop

Lampiran 6. Memasukkan template ke dalam PCR Mix

Lampiran 7. Mesin PCR

Lampiran 8. Analisa hasil PCR

LAMPIRAN 9. ANALISA STATISTIK

KARAKTERISTIK SUBJEK

JENIS KELAMIN

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Laki-laki	4	9.5	9.5	9.5
	Perempuan	38	90.5	90.5	100.0
	Total	42	100.0	100.0	

UMUR

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	≤40 Tahun	27	64.3	64.3	64.3
	41-50 Tahun	5	11.9	11.9	76.2
	51-60 Tahun	7	16.7	16.7	92.9
	>60 Tahun	3	7.1	7.1	100.0
	Total	42	100.0	100.0	

TIRADS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2.0	5	11.9	11.9	11.9
	3.0	17	40.5	40.5	52.4
	4.0	15	35.7	35.7	88.1
	5.0	5	11.9	11.9	100.0
	Total	42	100.0	100.0	

HISTOLOGI

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	GANAS	20	47.6	47.6	47.6
	JINAK	22	52.4	52.4	100.0
	Total	42	100.0	100.0	

PATOLOGI ANATOMI

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	ADENOMATOUS GOITER	16	38.1	38.1	38.1
	HASHIMOTO THYROIDITIS	2	4.8	4.8	42.9
	PAPILLARY THYROID CARCINOMA	20	47.6	47.6	90.5
	SOLITARY PAPILLARY HYPERPLASTIC	1	2.4	2.4	92.9
	WELL DIFFERENTIATED NEOPLASMA	3	7.1	7.1	100.0
	Total	42	100.0	100.0	

LOKASI NODUL

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	BILATERAL	4	9.5	9.5	9.5
	KANAN	24	57.1	57.1	66.7
	KIRI	14	33.3	33.3	100.0
	Total	42	100.0	100.0	

UKURAN NODUL

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	≤1 cm	7	16.7	16.7	16.7
	1.1 - 2 cm	19	45.2	45.2	61.9
	2.1 - 4 cm	14	33.3	33.3	95.2
	>4 cm	2	4.8	4.8	100.0
	Total	42	100.0	100.0	

UKURAN NODUL

N	Valid	42
	Missing	0
Mean		2.2619
Std. Error of Mean		.12316

KOMBINASI SERIAL TIRADS +RI

. diagt patologianatomi serialtiradsri

PATOLOGI ANATOMI	serialtiradsri Pos.	Neg.	Total
Abnormal	13	7	20
Normal	1	21	22
Total	14	28	42

True abnormal diagnosis defined as patologianatomi = 1

			[95% Confidence Interval]	
Prevalence	Pr(A)	48%	32%	63.6%
Sensitivity	Pr(+|A)	65%	40.8%	84.6%
Specificity	Pr(-|N)	95.5%	77.2%	99.9%
ROC area	(Sens. + Spec.)/2	.802	.686	.918
Likelihood ratio (+)	Pr(+|A)/Pr(+|N)	14.3	2.05	99.7
Likelihood ratio (-)	Pr(-|A)/Pr(-|N)	.367	.2	.671
Odds ratio	LR(+)/LR(-)	39	5.24	.
Positive predictive value	Pr(A|+)	92.9%	66.1%	99.8%
Negative predictive value	Pr(N|-)	75%	55.1%	89.3%

KOMBINASI SERIAL TIRADS +PI

. diagt patologianatomi serialtiradspi

PATOLOGI ANATOMI	serialtiradspi Pos.	Neg.	Total
Abnormal	12	8	20
Normal	1	21	22
Total	13	29	42

True abnormal diagnosis defined as patologianatomi = 1

			[95% Confidence Interval]	
Prevalence	Pr(A)	48%	32%	63.6%
Sensitivity	Pr(+|A)	60%	36.1%	80.9%
Specificity	Pr(-|N)	95.5%	77.2%	99.9%
ROC area	(Sens. + Spec.)/2	.777	.658	.896
Likelihood ratio (+)	Pr(+|A)/Pr(+|N)	13.2	1.88	92.6
Likelihood ratio (-)	Pr(-|A)/Pr(-|N)	.419	.243	.722
Odds ratio	LR(+)/LR(-)	31.5	4.29	.
Positive predictive value	Pr(A|+)	92.3%	64%	99.8%
Negative predictive value	Pr(N|-)	72.4%	52.8%	87.3%

KOMBINASI SERIAL TIRADS + ELASTOGRAPHY

. diagt patologianatomi serialtiradselasto

```
   PATOLOGI  |  serialtiradselasto
   ANATOMI   |    Pos.       Neg.   |    Total
-------------+----------------------+----------
   Abnormal  |     13          7    |       20
    Normal   |      1         21    |       22
-------------+----------------------+----------
    Total    |     14         28    |       42
```

True abnormal diagnosis defined as patologianatomi = 1

```
                                              [95% Confidence Interval]
--------------------------------------------------------------------------
Prevalence                       Pr(A)      48%        32%        63.6%
--------------------------------------------------------------------------
Sensitivity                     Pr(+|A)      65%       40.8%      84.6%
Specificity                     Pr(-|N)     95.5%      77.2%      99.9%
ROC area               (Sens. + Spec.)/2    .802       .686       .918
--------------------------------------------------------------------------
Likelihood ratio (+)    Pr(+|A)/Pr(+|N)     14.3       2.05       99.7
Likelihood ratio (-)    Pr(-|A)/Pr(-|N)     .367        .2        .671
Odds ratio                  LR(+)/LR(-)      39        5.24         .
Positive predictive value       Pr(A|+)     92.9%      66.1%      99.8%
Negative predictive value       Pr(N|-)      75%       55.1%      89.3%
--------------------------------------------------------------------------
```

KOMBINASI SERIAL TIRADS + SURVIVIN

. diagt patologianatomi serialTIRADSSURVIVIN

```
   PATOLOGI  |  serialTIRADSSURVIVIN
   ANATOMI   |    Pos.       Neg.   |    Total
-------------+----------------------+----------
   Abnormal  |     17          3    |       20
    Normal   |      0         22    |       22
-------------+----------------------+----------
    Total    |     17         25    |       42
```

True abnormal diagnosis defined as patologianatomi = 1

```
                                              [95% Confidence Interval]
--------------------------------------------------------------------------
Prevalence                       Pr(A)      48%        32%        63.6%
--------------------------------------------------------------------------
Sensitivity                     Pr(+|A)      85%       62.1%      96.8%
Specificity                     Pr(-|N)     100%       84.6%      100%
ROC area               (Sens. + Spec.)/2    .925       .845        1
--------------------------------------------------------------------------
Likelihood ratio (+)    Pr(+|A)/Pr(+|N)       .          .          .
Likelihood ratio (-)    Pr(-|A)/Pr(-|N)      .15       .0528      .426
Odds ratio                  LR(+)/LR(-)       .        24.4         .
Positive predictive value       Pr(A|+)     100%       80.5%      100%
Negative predictive value       Pr(N|-)      88%       68.8%      97.5%
--------------------------------------------------------------------------
```

KOMBINASI SERIAL TIRADS + CYTOKERATIN-19

. diagt patologianatomi serialtiradscytokeratin19

PATOLOGI ANATOMI	serialtiradscytokerat in19 Pos.	Neg.	Total
Abnormal	16	4	20
Normal	0	22	22
Total	16	26	42

True abnormal diagnosis defined as patologianatomi = 1

			[95% Confidence Interval]	
Prevalence	Pr(A)	48%	32%	63.6%
Sensitivity	Pr(+|A)	80%	56.3%	94.3%
Specificity	Pr(-|N)	100%	84.6%	100%
ROC area	(Sens. + Spec.)/2	.9	.81	.99
Likelihood ratio (+)	Pr(+|A)/Pr(+|N)	.	.	.
Likelihood ratio (-)	Pr(-|A)/Pr(-|N)	.2	.0832	.481
Odds ratio	LR(+)/LR(-)	.	18.3	.
Positive predictive value	Pr(A|+)	100%	79.4%	100%
Negative predictive value	Pr(N|-)	84.6%	65.1%	95.6%

KOMBINASI PARAREL TIRADS + RI

. diagt patologianatomi parareltiradsri

PATOLOGI ANATOMI	parareltiradsri Pos.	Neg.	Total
Abnormal	19	1	20
Normal	5	17	22
Total	24	18	42

True abnormal diagnosis defined as patologianatomi = 1

			[95% Confidence Interval]	
Prevalence	Pr(A)	48%	32%	63.6%
Sensitivity	Pr(+|A)	95%	75.1%	99.9%
Specificity	Pr(-|N)	77.3%	54.6%	92.2%
ROC area	(Sens. + Spec.)/2	.861	.759	.964
Likelihood ratio (+)	Pr(+|A)/Pr(+|N)	4.18	1.92	9.09
Likelihood ratio (-)	Pr(-|A)/Pr(-|N)	.0647	.0095	.443
Odds ratio	LR(+)/LR(-)	64.6	8.24	.
Positive predictive value	Pr(A|+)	79.2%	57.8%	92.9%
Negative predictive value	Pr(N|-)	94.4%	72.7%	99.9%

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KOMBINASI PARAREL TIRADS + PI

. diagt patologianatomi parareltiradspi

PATOLOGI ANATOMI	parareltiradspi Pos.	Neg.	Total
Abnormal	19	1	20
Normal	11	11	22
Total	30	12	42

True abnormal diagnosis defined as patologianatomi = 1

			[95% Confidence Interval]	
Prevalence	Pr(A)	48%	32%	63.6%
Sensitivity	Pr(+|A)	95%	75.1%	99.9%
Specificity	Pr(-|N)	50%	28.2%	71.8%
ROC area	(Sens. + Spec.)/2	.725	.607	.843
Likelihood ratio (+)	Pr(+|A)/Pr(+|N)	1.9	1.24	2.92
Likelihood ratio (-)	Pr(-|A)/Pr(-|N)	.1	.0141	.707
Odds ratio	LR(+)/LR(-)	19	2.66	.
Positive predictive value	Pr(A|+)	63.3%	43.9%	80.1%
Negative predictive value	Pr(N|-)	91.7%	61.5%	99.8%

KOMBINASI PARAREL TIRADS + ELASTOGRAPHY

. diagt patologianatomi parareltiradselasto

PATOLOGI ANATOMI	parareltiradselasto Pos.	Neg.	Total
Abnormal	19	1	20
Normal	6	16	22
Total	25	17	42

True abnormal diagnosis defined as patologianatomi = 1

			[95% Confidence Interval]	
Prevalence	Pr(A)	48%	32%	63.6%
Sensitivity	Pr(+|A)	95%	75.1%	99.9%
Specificity	Pr(-|N)	72.7%	49.8%	89.3%
ROC area	(Sens. + Spec.)/2	.839	.732	.946
Likelihood ratio (+)	Pr(+|A)/Pr(+|N)	3.48	1.75	6.94
Likelihood ratio (-)	Pr(-|A)/Pr(-|N)	.0688	.01	.472
Odds ratio	LR(+)/LR(-)	50.7	6.68	.
Positive predictive value	Pr(A|+)	76%	54.9%	90.6%
Negative predictive value	Pr(N|-)	94.1%	71.3%	99.9%

KOMBINASI PARAREL TIRADS + SURVIVIN

. diagt patologianatomi pararelTIRADSSURVIVIN

PATOLOGI ANATOMI	pararelTIRADSSURVIVIN Pos.	Neg.	Total
Abnormal	19	1	20
Normal	4	18	22
Total	23	19	42

True abnormal diagnosis defined as patologianatomi = 1

			[95% Confidence Interval]	
Prevalence	Pr(A)	48%	32%	63.6%
Sensitivity	Pr(+|A)	95%	75.1%	99.9%
Specificity	Pr(-|N)	81.8%	59.7%	94.8%
ROC area	(Sens. + Spec.)/2	.884	.788	.98
Likelihood ratio (+)	Pr(+|A)/Pr(+|N)	5.22	2.14	12.8
Likelihood ratio (-)	Pr(-|A)/Pr(-|N)	.0611	.009	.417
Odds ratio	LR(+)/LR(-)	85.5	10.4	.
Positive predictive value	Pr(A|+)	82.6%	61.2%	95%
Negative predictive value	Pr(N|-)	94.7%	74%	99.9%

KOMBINASI PARAREL TIRADS + CYTOKERATIN-19

. diagt patologianatomi pararelttiradscytokeratin19

PATOLOGI ANATOMI	pararelttiradscytokeratin19 Pos.	Neg.	Total
Abnormal	19	1	20
Normal	4	18	22
Total	23	19	42

True abnormal diagnosis defined as patologianatomi = 1

			[95% Confidence Interval]	
Prevalence	Pr(A)	48%	32%	63.6%
Sensitivity	Pr(+|A)	95%	75.1%	99.9%
Specificity	Pr(-|N)	81.8%	59.7%	94.8%
ROC area	(Sens. + Spec.)/2	.884	.788	.98
Likelihood ratio (+)	Pr(+|A)/Pr(+|N)	5.22	2.14	12.8
Likelihood ratio (-)	Pr(-|A)/Pr(-|N)	.0611	.009	.417
Odds ratio	LR(+)/LR(-)	85.5	10.4	.
Positive predictive value	Pr(A|+)	82.6%	61.2%	95%
Negative predictive value	Pr(N|-)	94.7%	74%	99.9%