

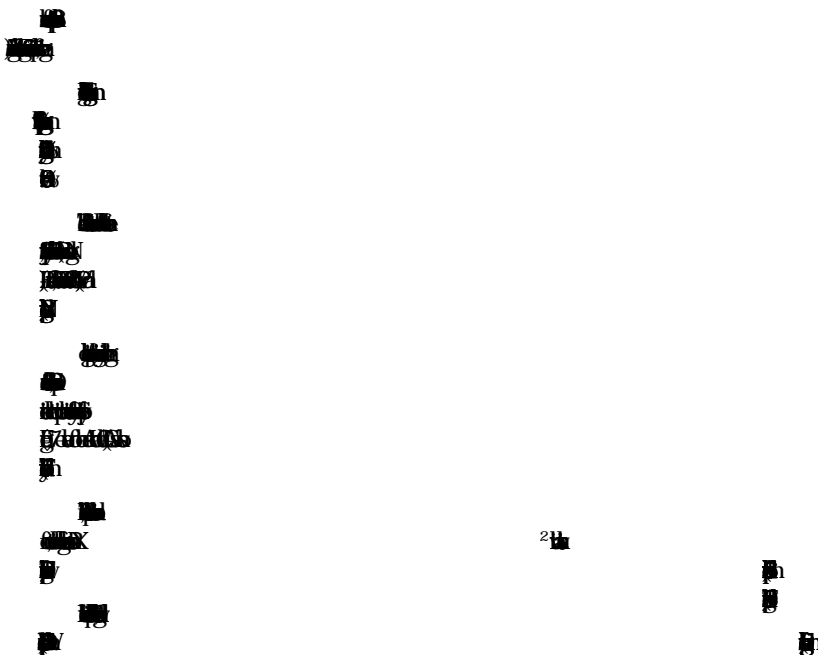




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Figure 4: Flow chart of all newborns in both tests and all ears.



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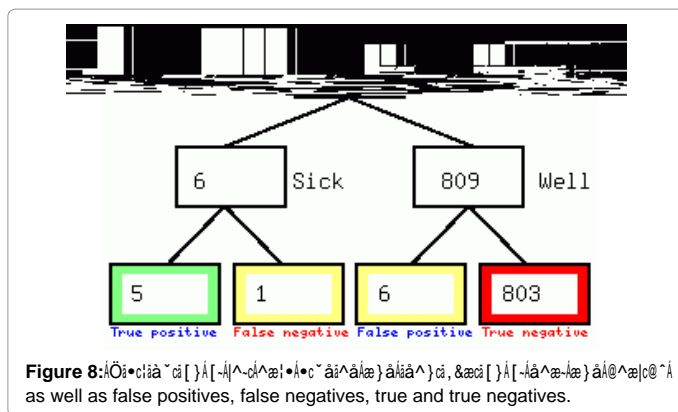
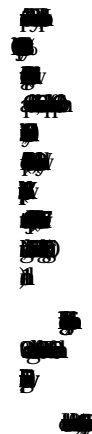
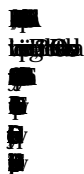


Figure 8: as well as false positives, false negatives, true and true negatives.



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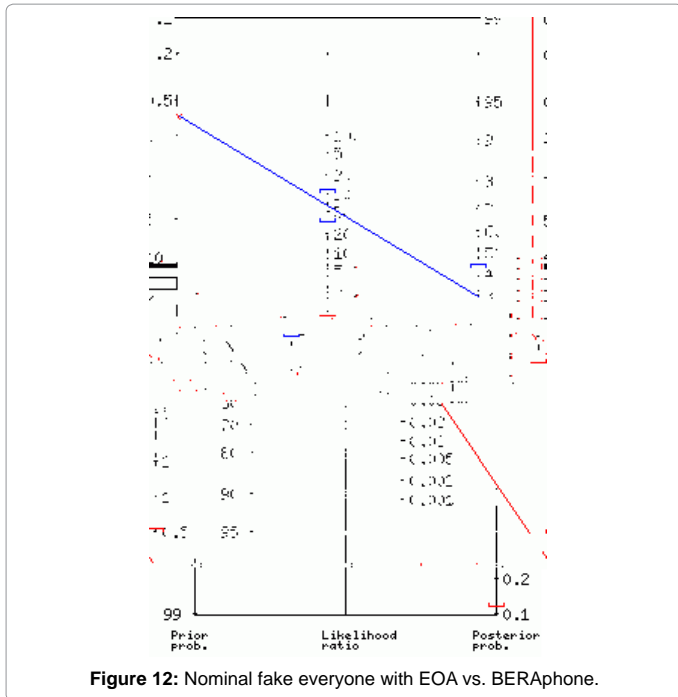


Figure 12: Nominal fake everyone with EOA vs. BERAphone.

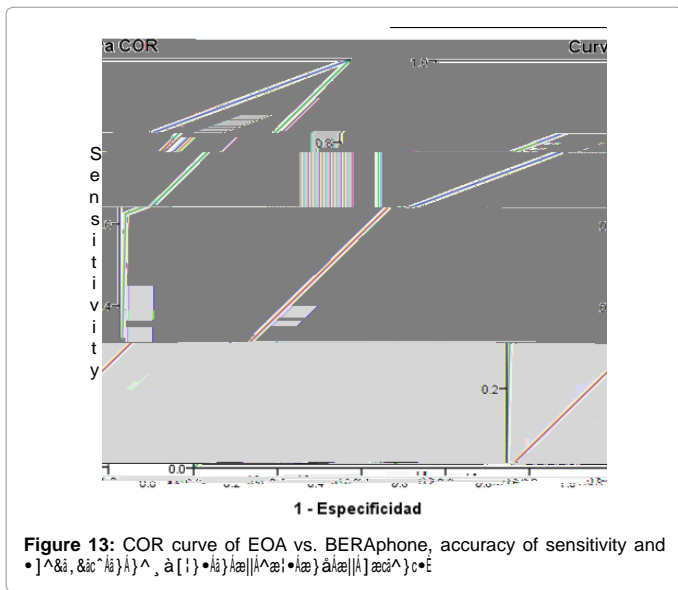


Figure 13: COR curve of EOA vs. BERAphone, accuracy of sensitivity and specificity.

Statistic	Formula	Value	95% CI
Sensitivity	$\frac{a}{a+b}$	63.64%	48.1% to 79.2%
Specificity	$\frac{d}{c+d}$	71.4%	58.3% to 84.5%
Positive Likelihood Ratio	$\frac{\text{Sensitivity}}{100 - \text{Specificity}}$	60.60	31.62 to 116.15
Negative Likelihood Ratio	$\frac{100 - \text{Sensitivity}}{\text{Specificity}}$	0.64	0.34 to 1.20
Disease prevalence	$\frac{a+b}{a+b+c+d}$	0.34%	0.34% to 1.20%
Positive Predictive Value	$\frac{a}{a+c}$	99.3%	98.7% to 100%
Negative Predictive Value	$\frac{d}{b+d}$	99.3%	98.7% to 100%

EOA: Otoacoustic Emissions.
 BERAphone: Cerebral Stem Auditory Evoked Potentials.
 Study: Otoacoustic Emissions in Healthy Newborns without Risk Factors.

Table 13: Comparison of EOA and BERAphone results.

Variables contrast result				
Area	Error tip.	Sig. Asymptotic	Lower limit Upper limit	
			0.805	0.106

EOA: Otoacoustic Emissions
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Table 14: Area Under the Curve of all ears and all patients studied with EOA vs. BERAphone.

Statistical Testing	Value	Statistical Significance
Continuity correction	253.440	p=0.000
Fisher's exact test		p=0.000
Number of cases	1630	

EOA: Otoacoustic Emissions.
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 Study: Otoacoustic Emissions in Healthy Newborns without Risk Factors.

Table 15: Statistical tests of EOA V/S BERA phone of all ears and all patients.

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Citation: Berlanga Bolado OM, Vázquez PR, Martínez Carmona RB, Ortega Tamez LC, Flores Nava FL, et al. Otoacoustic Emissions in Newly Healthy Births without Risk Factors. *Neonat Pediatr Med* 3: 133. doi: [10.1000133](https://doi.org/10.1000133)

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