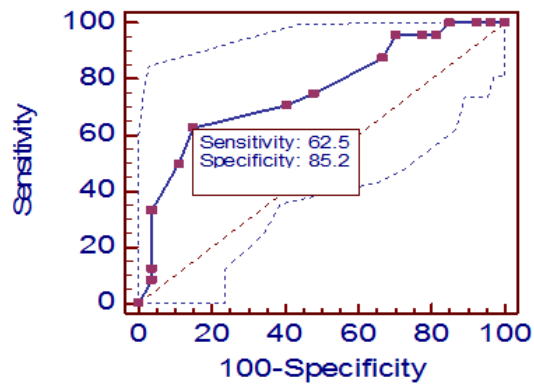


Prostate cancer screening

Abstract

1. Schiavon de Abreu D. Bioimpedance /Chronoamperometry in adjunct to the screening of prostate cancer with the PSA. Centro - Limeira SP – Brazil CEP 13480-182 Brazil

According to the above clinical investigation including 50 subjects with prostate cancer and control group
 2 indicators were investigated for the prostate cancer screening:
 Foot SDC+ - SDC- : decreased in prostate cancer
 Foot alpha parameter: decreased in prostate cancer
 Comparison of the Roc curves prostate cancer /above indicators and final Roc curve including the 2 indicators



ROC curve			
Variable	delta conductivity		
Classification variable	diagnosis		
Sample size			50
Positive group :	diagnosis = 1		23
Negative group :	diagnosis = 0		27
Disease prevalence (%)		47.1	
Area under the ROC curve (AUC)		0.755	
Standard Error ^a		0.0691	
95% Confidence Interval ^b		0.615 to 0.865	
z statistic		3.699	
Significance level P (Area=0.5)		0.0002	