Heart Disease Diagnosis

N = 100

	Absent	Present
p(Absent) 57%	○ ○ △	p(Present) 43%
	○ ○ △ △	
	○ ○ △ △	
	○ ○ △ △	
	○ ○ ○ △ △	
	57	43
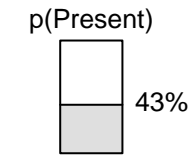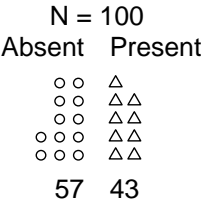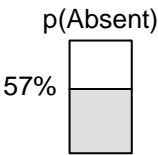
FFT #1 (of 7)

Decide Absent

Correct Rejection ●   △ Miss

Decide Present

False Alarm ●   △ Hit

thal

= rd,fd

△ △ △ △ △ △ △ ● ● △ △

9   34

cp

P → *Present*

● ● ● ● ● ● ● ● ● △

39   4

!= a

A ← *Absent*

ca

● ● △

9   1

<= 0   > 0

A ← *Absent*   P → *Present*

△

0   4
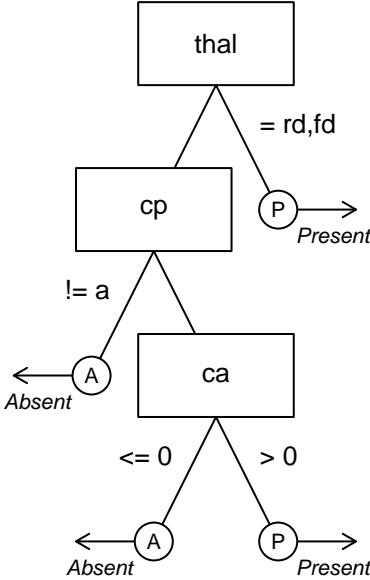
Accuracy (Training)

	Truth		mcu	pci	sens	spec	acc	bacc	ROC
	Present	Absent	1.7	87	88	84	86	86	

Decision

	Present	Absent
Present	38 △ hi	9 ● fa
Absent	5 △ mi	48 ● cr

BL

ROC

Sensitivity (HR) — 1 ... 0.5 ... 0

1 − Specificity (FAR) — 0 ... 1

- # FFT
- C CART
- L LR
- R RF
- S SVM
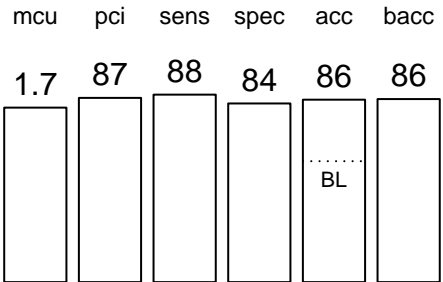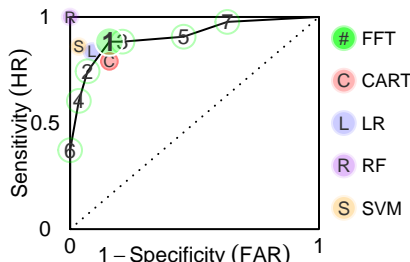
Individual cue accuracies

Cue accuracies ranked by wacc:

rank	cue + thresh	sens	spec	wacc
1	cp = a	0.76	0.77	0.76
2	ca > 0	0.67	0.8	0.74
3	exang > 0	0.6	0.87	0.73
4	thal = rd,fd	0.67	0.79	0.73
5	slope = flat,down	0.77	0.66	0.71