Population & Material

Cohort set-1
01/10/2007 – 01/10/2009
N = 51 pts

Cohort set-2
01/01/2007 - 01/01/2010
N = 126 pts

Retrospective Ang-2 measurement at baseline

OVERALL POPULATION
N = 177 pts

PS & LDH available

POPULATION with GERCOR score available
N = 109 pts

Analysis Plan

Descriptive analysis for the two cohorts and the overall population

Construction of the multivariable Cox model for OS:
Two independent predictors for OS were identified:
- LDH
- Ang-2
N= 115 pts (due to missing data for LDH parameter)

Added value of Ang-2 for predicting OS:
- Statistical approach :
  Ang-2 parameter addition in the GERCOR model significantly improved its discriminative ability : the C-statistic increased significantly
- Clinical interest and implementation :
  - Cut off for Ang2 at 5 ng/mL is a relevant choice
  - Combination of GERCOR risk group score and Ang2 binary information allows reclassification of patients with intermediate risk profile into low (intermediate risk patients with Ang-2 < 5 ng/mL) and high risk (intermediate risk patients with Ang-2 >= 5 ng/mL) profile.
Ang-2 value in ng/mL

Mann-Whitney p-value = 0.000199

Healthy volunteers

mCRC patients
Figure 3

A

Log-rank p=0.02

N at risk
Low-risk (0 pt) 32 30 20 13 7 4
Intermediate-risk (1-2 pts) 45 35 24 12 8 3
High-risk (3-4 pts) 32 23 10 4 2 1

Low-risk (0 pt): n=32 n.events=28 median time=27.1
Intermediate-risk (1-2 pts): n=45 n.events=42 median time=24.3
High-risk (3-4 pts): n=32 n.events=32 median time=19.7

B

Log-rank p<0.0001

HR - 95%CI: 2.06 [1.37-3.09]

N at risk
Ang-2 <= 5 ng/mL 69 63 39 24 14 8
Ang-2 > 5 ng/mL 40 25 15 5 3

Ang-2 <= 5 ng/mL: n=69 n.events=62 median time=26.2
Ang-2 > 5 ng/mL: n=40 n.events=40 median time=17.8

C

Log-rank p=0.02

HR - 95%CI: 2.07 [1.11-3.86]

N at risk
Ang-2 <= 5 ng/mL 26 24 16 10 7 3
Ang-2 > 5 ng/mL 19 11 8 2 1

Ang-2 <= 5 ng/mL: n=26 n.events=23 median time=26.3
Ang-2 > 5 ng/mL: n=19 n.events=19 median time=17.6

D

Log-rank p=0.003

N at risk
Low-risk 32 30 20 13 7 4
Intermediate-risk / Ang-2 <= 5 ng/mL 26 24 16 10 7 4
Intermediate-risk / Ang-2 > 5 ng/mL 19 11 8 2 1
High-risk 32 23 10 4 2 1

Intermediate-risk / Ang-2 <= 5 ng/mL: n=26 n.events=23 median time=26.3
Intermediate-risk / Ang-2 > 5 ng/mL: n=19 n.events=19 median time=17.6
High-risk: n=32 n.events=32 median time=19.7