



















# Results 221 included patients, 214 endured gastroscopy At least one ischemic digestive lesion in 121 patients (57%, CI95: 50-63%) ☐ Severe (ulcer, necrosis): 45% (54/121) □ Mild (edema, erythema): 55% (67/121)

<b>Predictors</b>	of Digestive	Ischemia

	OR	CI: 95%
PAD	0.3	0.09 - 0.94
PPI (before CA)	0.49	0.23 - 1.03
Epinephrine dose per mg	1.17	1.03 - 1.32
Chloremia per meq/L	0.9	0.84 - 0.97
Hematocrit per %	1.04	1.00 – 1.09

Multivariate logistic regression

#### Conclusion



- Cardiac arrest related ischemia/reperfusion induced gut injury
- Intestinal injury is associated with endotoxin translocation
- Upper dig tract lesions are frequent (+/- 50%), severe in +/- 50%
  - ☐ Most severe patients (died before day-2) not included
- Less severe patients (extubated before day-2) not included
- Not associated with shock (lower tract ?)
- Severe digestive lesions associated with worse prognosis

## Conclusion



- Causality ? Or just association with ischemic injury ?
- Potential modifiable risk factors:
  - ☐ Epinephrine during CPR
- □ Volemia (Ht, Chloremia)
- Maybe a vicious circle
- Improvement with hemodynamic optimalization ?
- Adjuvant therapy
  - endotoxin removal ?
    SDD with colimycine ?

## Patients' and CA characteristics

	Dig lesions - N = 93	Dig lesions + N = 121	
Age, years, med (IQR)	65.9 (55.7-72.1)	59.9 (50.9 – 71.3)	0.09
Peripheral Artery Disease, N (%)	13 (14)	6 (5)	0.02
Coronaropathy, N (%)	16 (17)	16 (13)	0.4
PPI, N (%)	29 (31)	19 (16)	0.007
Witnessed, N (%)	87 (94)	105 (87)	0.11
No flow, min, med (IQR)	4 (0-10)	5 (2-7)	0.49
Low flow, min, med (IQR)	19 (12-30)	22 (15-35)	0.45
VF/VT, N (%)	47 (50)	65 (54)	0.74
Epinephrine, mg med (IQR)	1 (0-3)	2 (1-4)	0.005
Shock number, med (IQR)	2 (0-4)	2 (1-5)	0.14

## No association with post-CA shock

	lsch dig -	Isch dig +	Р
Post-CA shock	61 (65.6)	77 (63.6)	0.77
d10 Vasopressor free days	5 [2-7]	5 [2-8]	0.78

