

NONAGENARIANS VERSUS NON-NONAGENARIANS IN THE HIP FRACTURE PATIENT: FROM A PHARMACOTHERAPEUTIC POINT OF VIEW.

J.M. DEL RÍO GUTIÉRREZ¹, A. PAU PARRA¹, P. LALUEZA BROTO¹, J. MESTRE TORRES², Á. ARÉVALO BERNABÉ¹, J.C. JUÁREZ GIMÉNEZ¹, M.D.M. VILLAR CASARES², M.O. GORGAS TORNER¹.

¹Pharmacy Department, ²Internal Medicine Department, Vall d'Hebron University Hospital Campus

BACKGROUND

Population aging is associated with a major hospitalization rate in nonagenarians; therefore it is necessary to describe them and analyse any peculiarities.

Aim and objectives

To describe nonagenarian's pharmacotherapeutic profile versus non-nonagenarians in a cohort of hip fracture (HF) patients.

MATERIAL AND METHODS

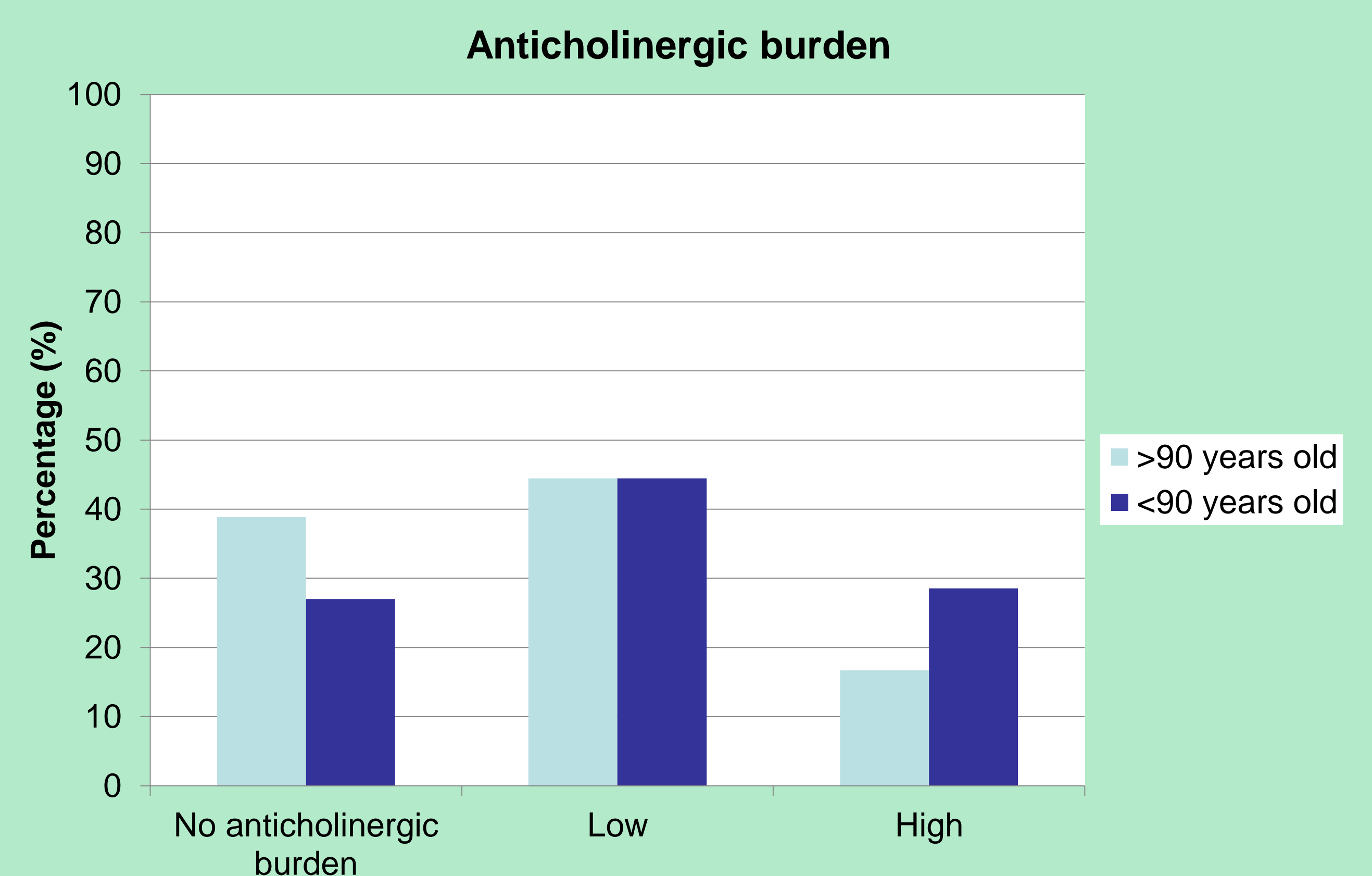
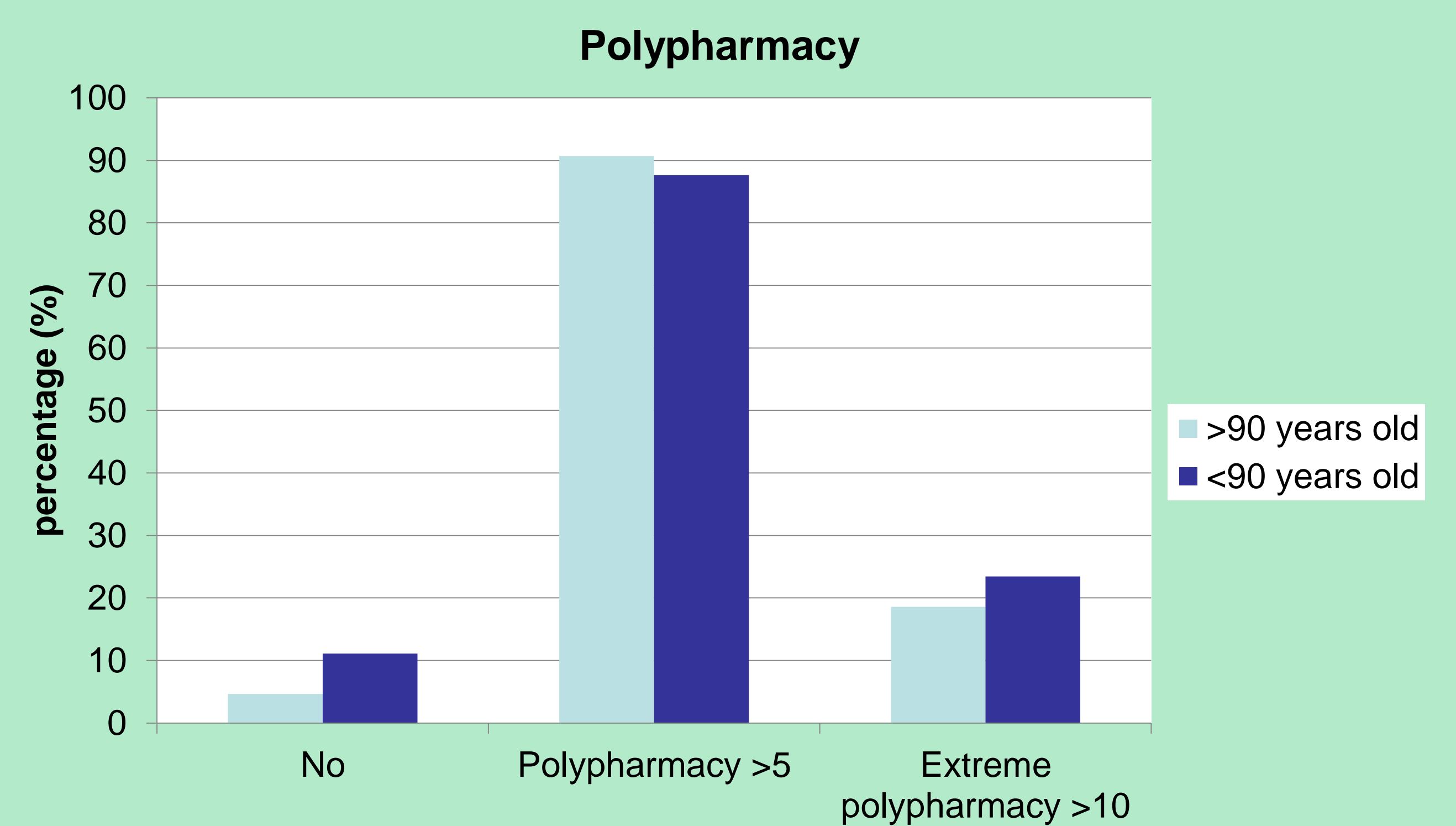
- Observational retrospective study.
- Inclusion criteria: patients older than 65 years old who were admitted to the hospital from January 2020 to March 2020 because of HF.
- Continuous variables were expressed as medians (interquartile range) or as means (standard deviation).
- Demographic and clinical data were obtained from electronic medical records.
- Numerous variables related to medication were included

Results



- The study included 99 patients (74 % women).
- Mean age in nonagenarians and non-nonagenarians was $93 \pm 2,73$ and $86,2 \pm 6,83$ respectively.
- No significance differences were found in the biodemographic and clinical variables.
- It was only detected that the glomerular filtrate was higher in the non-nonagenarians group (74 (53–85) ml/min vs. 46,5 (36,5–63) ml/min).

- It was detected minor polypharmacy in the nonagenarians group ($7,6 \pm 2,9$ drugs in ≥ 90 vs. $8,3 \pm 3,6$ drugs in < 90 ($p=0,33$)).
- The anticholinergic burden (according to Duran and Cols equation) was minor in the nonagenarians group (16,7% with high AC burden vs. 28,5%, $p=0,14$).
- No differences were found regarding the number of drugs that could increase the risk of a hip fracture (1,5 (1 – 3) in < 90 vs. 2 (1 – 4) in ≥ 90).



Conclusions

- ✓ Comparing nonagenarians and non-nonagenarians, these results demonstrate that >90 patients do not need a different clinical approach, in contrast with it could be expected in an older population.
- ✓ Evidencing a renal function deterioration in nonagenarians, it would be necessary an extra vigilance in drugs excreted in this way.