

**Preliminary data regarding the EOL/Concept double mobility acetabular cup at a minimum of 5 year follow up.**

Ceramconcept, manufacturer of orthopaedic implants is committed to deliver long lasting excellent products to its customers.

Based on a long term experience, Ceramconcept has decided to perform a clinical review of one of its best products the Eol cup, now called Concept cup. It is a double mobility cup encompassing a highly polished stainless steel metal shell (316 L ISO 5832-1), which receives a UHMW PE mobile liner, which presents a cavity to receive an another articulation with the femoral head – mobile liner interface. To increase the safety of the assembly, the femoral head, available in two diameters (22.2 and 28 mm) is secured in the liner thanks to a snap fit PE ring. The rotation of the stem occurred preferably at the femoral head interface, but in case of extreme movements, rather than applying forces to the cup bone interface, which could potentially lead to dislocation, a rotation occurs at the larger diameter of the liner within the large diameter metal cup. This system with long lasting experience, prevent almost any kind of dislocation. Cup fixation in the bone can be achieve through different possibilities (press-fit, pegs, screws,) according to the practice of the surgeon or/and according to the bone quality.

The consecutive retrospective study, currently performed in 4 centres, includes patients with a follow up of 5 to 10 years (patient operated between 1999 and 2003). The current total number of patient included is 487 patients and 497 implants.

The review of those patients is undergoing, and the following preliminary results are based on 140 patients and 149 implants.

Lost to follow up: 9 patients deceased with the implant functioning normally.

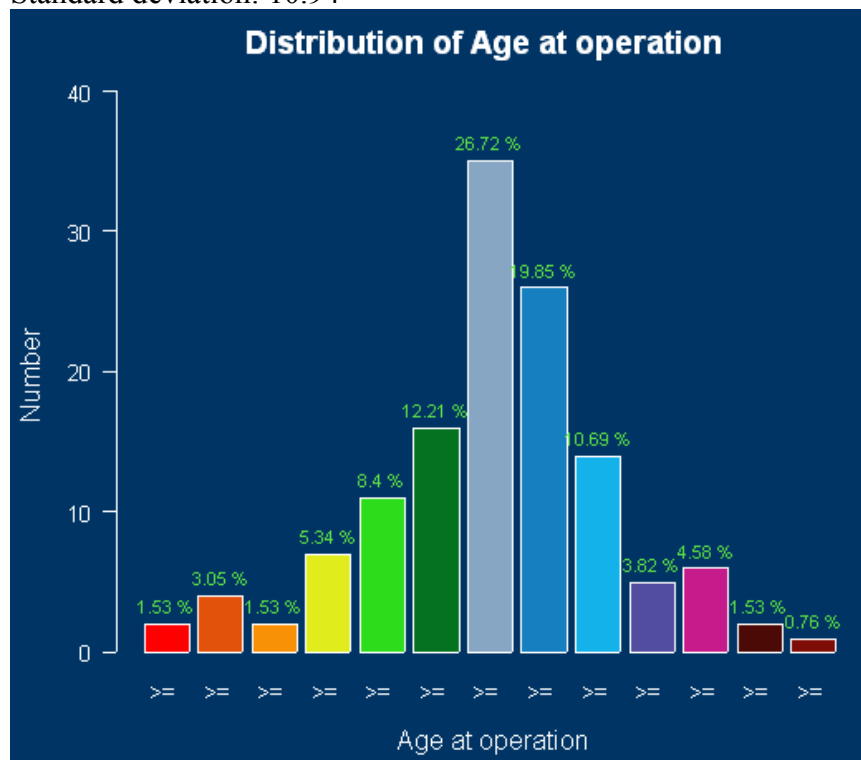
Remain 131 patients alive, all together they represent 139 implants.

Population statistics at the time of the operation:

Average age: 72.56 yrs

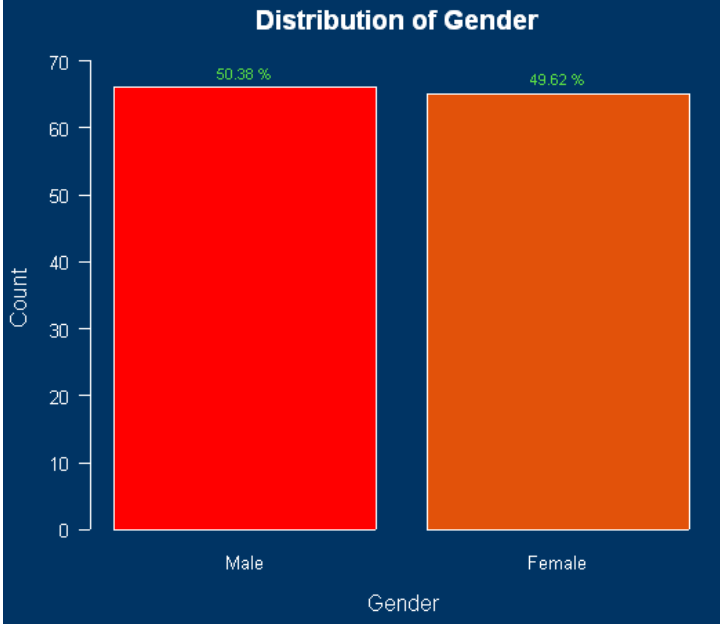
Spread (41.0 -> 101.0)

Standard deviation: 10.94

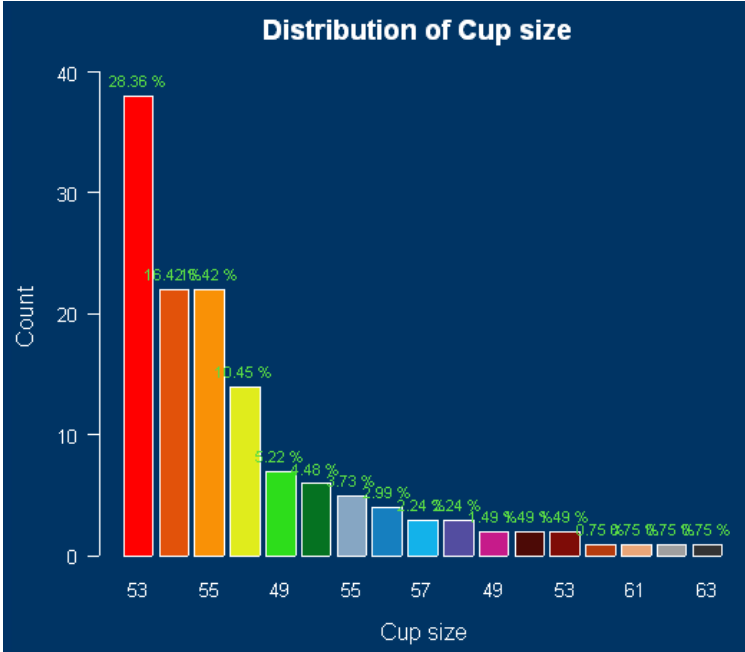


Gender distribution:

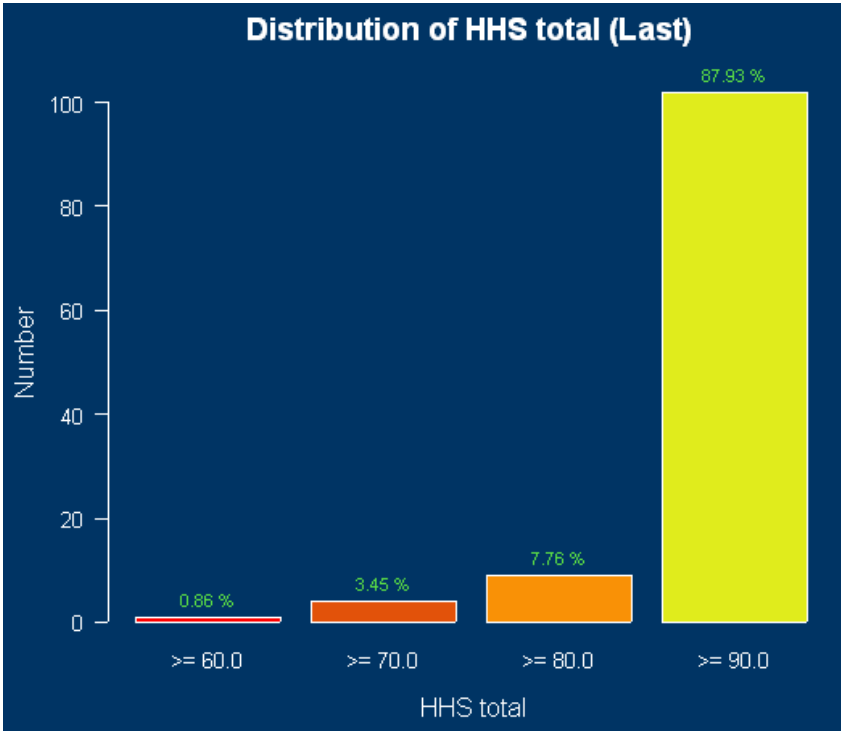
Gender	Count	%
Male	66	50.38
Female	65	49.62



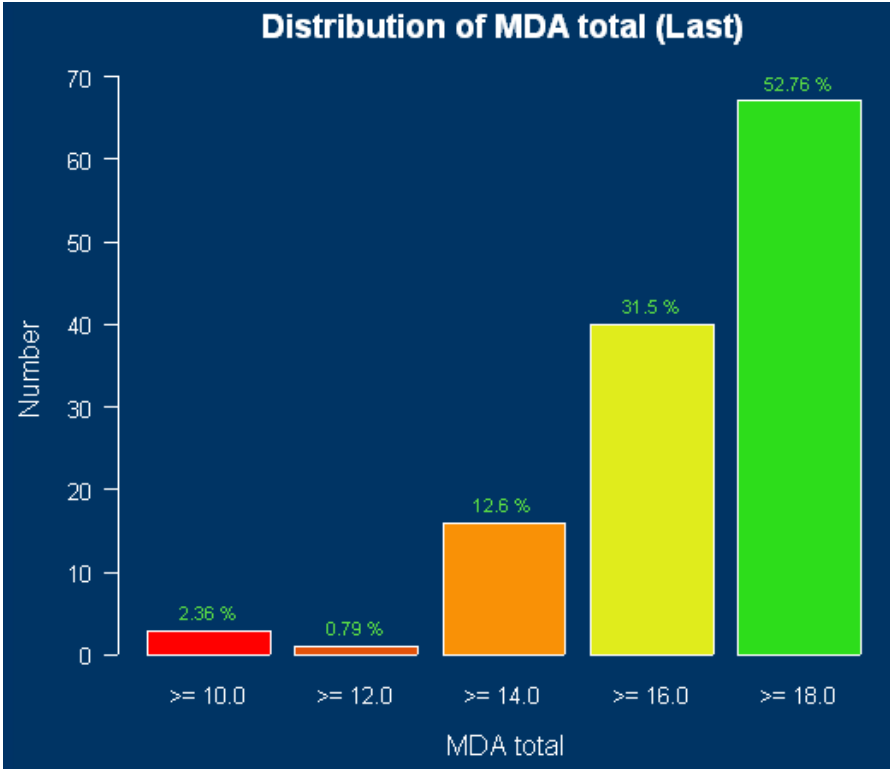
Cup size distribution:



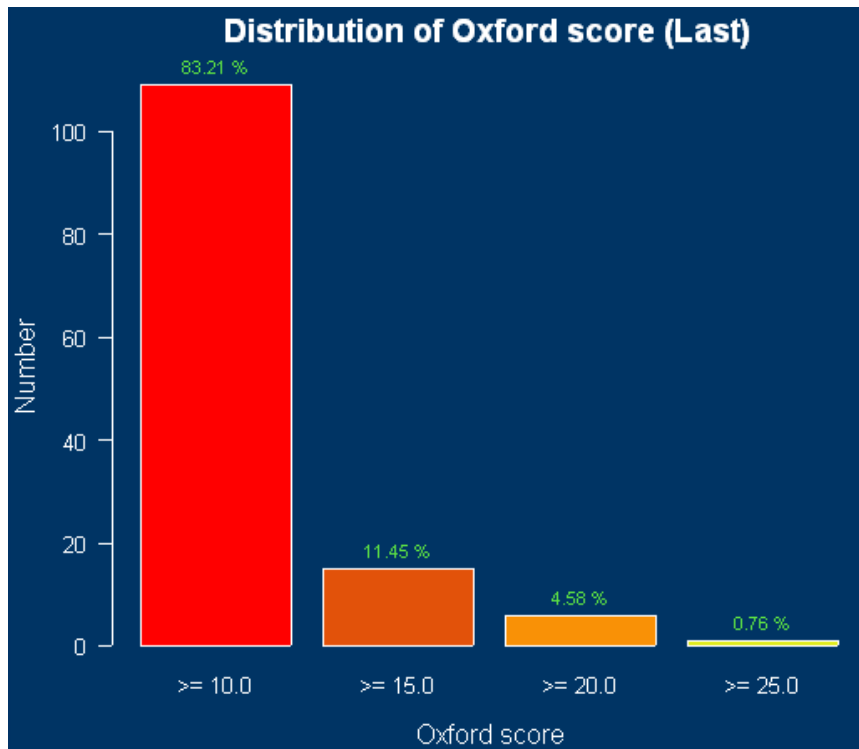
Harris Hip Score at latest patient review:



Postel Merles d'Aubigné score at latest patient review:



Oxford evaluation at latest patient review:



Conclusion:

This preliminary consecutive retrospective study on an initial group of 140 patients and 149 implants, shows good to excellent results, regarding the implant function at a minimum of 5 years follow up.

Further investigation regarding this study is under way and will include about 500 patients.