

# KEROS

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OPU - ICSI

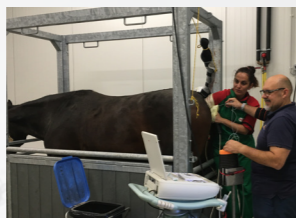
Season 2020 - 2021

[WWW.KEROS.BE](http://WWW.KEROS.BE)

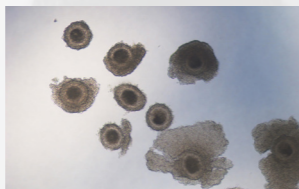
- The OPU season runs from October to March.
- From each mare, samples have to be taken and examined. This is mandatory in order to send the oocytes to Avantea (Italy) and to be able to return the frozen embryos to Keros (Belgium).
- OPU takes place on Monday and Tuesday.
- The mare is tranquilized and anesthetized epidurally. The mare remains under surveillance for 24 hours after the procedure.
- The oocytes are researched under the microscope, carefully packaged in a thermostatically controlled box and sent to Avantea (Italy).
- At Aventa, the oocytes are matured.
- The mature oocytes are then injected with the semen of the stallion of your choice (ICSI).
- 10 days later, the exact number of embryos is communicated.
- The frozen embryos are shipped to Keros and then implanted in a recipient mare at the time of your choice.

Pictures copyright Keros - Avantea

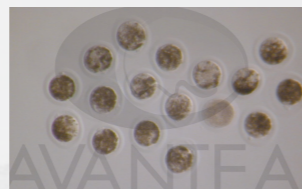
## What to expect



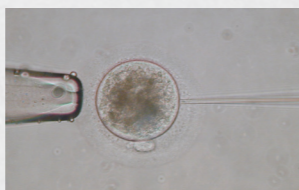
OPU (Ovum Pick Up)  
Keros  
20 punctured follicles



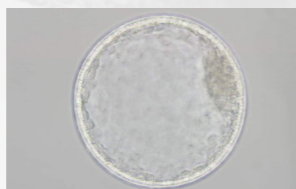
13 immature oocytes  
Keros => Avantea



8 mature oocytes  
In Avantea



Fertilized oocytes  
Avantea  
5.4 cleaved embryos



Developed embryos  
Avantea => Keros  
1.5 blastocytes/OPU session

## STALLIONS



More information about the available stallions and conditions? Mail to [info@keros.be](mailto:info@keros.be)

## TARIFFS

- Sample collection (incl transport) €50  
Samples are 3 months valid
- Sample research at Wageningen: €115,50
- Ovum Pick Up (incl transport): €1.000
- Maturation oocytes: €150
- ICSI: €380
- Frozen embryo: €420/embryo
- Defreeze embryo: €200/embryo
- Rent recipient mare + transfer: €2.800

All prices VAT excluded

# TEAM

## KEROS

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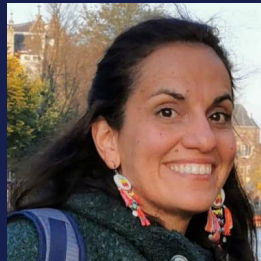
### Denis Necchi

Dr. Dennis Necchi (University of Milan, 1996) joined the team in the beginning of 2019 and is responsible for the embryotransfers at Keros. Dr. Necchi has an impressive track record: from 2006 to 2013 he worked at the University of Utrecht, after which he will return to Italy in 2015 to work at Avantea. From 2016 to 2018, he worked at Broline in Sweden. His main interests are reproductive technology in relation to freezing semen, fertility of both mare and stallion, embryo transfer and Ovum Pick Up (OPU).



### Hilde Vandaele

Dr. Hilde Vandaele (UGent, 1994) also made her debuts in large animal medicine with a strong emphasis on cattle infertility and obstetrics. From a very young age, she was in love with horses and when the time was right, it was a natural step in her professional career to become a certified equine specialist. Today, her attention is focussed on mare infertility and foal care. She regularly attends veterinary meetings on equine reproduction and has spoken at International meetings on mare infertility.



### Micaela Vita

Dr. Micaela Vita (University of Barcelona, 2008) joined the team in the beginning of 2011. Since then she was, under the guidance of Dr. Peter Daels and Dr. Hilde Vandaele, also responsible for the embryo transplantation at Keros. Dr. Vita specialized since 2009 in horse reproduction and worked between 2008 and 2011 in Spain and Argentina.