Q: Are you using Kitazato vitrification media for sperm vitrification?

A: Yes, we used Sperm Freeze Medium without egg yolk from Kitazato or Fertipro for single sperm vitrification.

Q: Were only motile sperm frozen? And what would be the survival rates of immotile but vital sperm using the one or the other technique?

A: Yes, I vitrified only a moving sperm. I did not analyze the survival of immotile sperm.

Q: What was your cryoprotectant mediums and/or concentrations for the freezing and thawing steps? And survival rates?

A: We used Sperm Freeze Medium without egg yolk from Kitazato or Fertipro for single sperm vitrification. Following the protocols from each company, sperm freeze from Kitazato was diluted with an equal volume of the HTF buffer, and Fertipro required 0.7 mL of medium for 1 mL HTF. Sperm warming was a single step. Cryotop method: sperm was immersed in the warmed HTF (2 μl), which was covered by mineral oil. Cell Sleeper: just warmed the sperm by overlapping the oil on the device. The survival rate was not assessed in this study.

Q: Did you use Kitazato vitrification medium for embryo cryopreservation?

A: Yes, we used Sperm Freeze Medium without egg yolk from Kitazato or Fertipro for single sperm vitrification.

Q: Which media did you use to sperm vitrification?

A: We used Sperm Freeze Medium without egg yolk from Kitazato or Fertipro for single sperm vitrification.

Q: What kind of medium did you use to vitrify the sperm in cryotop?

A: We used Sperm Freeze Medium without egg yolk from Kitazato or Fertipro for single sperm vitrification.
Q: This is a time consuming procedure before freezing, how long do you search for sperm before deciding to use this technique instead standard?

A: We searched the sperm cells for over 2 hours. We decided to use these techniques if we found the cells less than 100 motile sperm.

Q: What is the best way to freeze semen sample, prepared or raw? Your experience in your centre

A: Semen washing is needed before freezing, for safety ART.