

**ZU5**

**So this is IRAS study 242505, it is participant number ZU5 and the date is the 8<sup>th</sup> of January 2019. So how were you feeling as you prepared and gave that dose?**

Umm I wasn't feeling 100% confident, there was an element of it that I'm sure that I wasn't sure of and would have obviously asked for help.

**And did you kind of feel tired or under pressure or anything?**

Under pressure, definitely.

**Why was that?**

Uhh because you're doing an IV drug on your own and obviously you know you don't want to make a mistake and that obviously you need to get that calculation correct to make sure the correct amount is given to the patient.

**Ok fine. So there were a couple of times when there was a difference between what I saw and what the correct practice would have been. So you gave, you measured 8.55mls didn't you?**

Uhh huh.

**And it should have been 9 mls and you put it in a 50ml bag and it should have been a 100.**

100 well I already spotted that when I read it.

**So could we talk through the steps you took when you were doing that and deciding what volumes to use?**

So I suppose because it was under this type of practice it obviously makes it a lot more stressful if I was doing it in normal practice I wouldn't be giving that drug a) until I was completely happy, discussed it with colleagues, worked it out, spoke to a pharmacy to ensure I was giving the correct dose.

**Sure and that is definitely we know that's a thing in the research sadly.**

And it's a two nurses checking IVs anyway and that's in place to make sure that if you're not confident that a second person checks it.

**So when you were working out the 8.5mls, what calculation did you do to get to that, if you can remember that?**

Oh what you want over what you've got times by the volume, and I times-ed it by 9.5 instead of 10.

**Yeah that came through on.**

Yeah cause I was under pressure and I knew that as well, so that's why I got that wrong, because I put 10 yeah it's up to 10mls, but it says put 9.5 but it's still 10mls yeah so I got that wrong.

**What was your thinking about the 50 or the 100ml bag when you were?**

I wasn't actually by that point I think I was just yeah I know it's a 100. Most of our infusions we dilute slightly I think nurses tend to be more cautious and to probably end up diluting them more than is needed if I'm honest.

**Yeah that makes sense, so what could we change to prevent that sort of mistake from happening?**

Umm so yes you are correct that what Medusa is obviously great if you are very good at working things out but if you are a registered nurse that struggles with calculations then we need something that is a little bit more friendly, easier to use, and easier for difficult calculations definitely.

**So maths support?**

Yeah I think so. I mean you don't...newly qualified nurses do struggle with a lot of the new calculations that we are expected to do, especially on very complex drugs.

**They are complicated.**

Yeah but as I said it's two registered nurses to check, if unsure speak with a pharmacist and ask for, seek advice.

**Good well thank you very much.**