00:00:03 Faculty

(unintelligible) 4 mil And that's been pretty steady to be honest.

00:00:07 Nurse 1

What map are you aiming for?

00:00:10 Faculty

Aiming for a map of about sort of 70. And with that he has been peeing quite a lot.

00:00:14 Faculty

So he's been peeing about sort of 50 mills or so for a map of 70.

00:00:21 Faculty

The other thing to tell you

00:00:22 Faculty

He 'was' doing quite well. He was only on 30% of ventilators. So we thought that maybe we'll try reducing the sedation to see if he would wake up to extubate him.

00:00:30 Faculty

But the sedation has been off now for probably about 14 hours and he's not showing any signs of waking up.

00:00:34 Faculty

Still got a ras of minus 3.

00:00:38 Nurse 1

After 12 hours?

00:00:40 Faculty

Would be 14?

00:00:43 Faculty

And we're not too sure if anything's gone wrong. But just to check, they want to do another CT scan on his head just to see, and that is booked for probably about two to three hours time, but they were quite busy.

00:00:55 Faculty

So that might be a bit delayed. OK, but that is planned to give a CT just because he hasn't woken up from the sedation being turned off.

00:01:03 Faculty

And so you have main IV fluids going at at 80 mills an hour. You put NORAD going at 4.

00:01:08 Faculty

The fentanyl propofol has still kept attached just in case he wakes up with a start if you want to give him a bolus.

00:01:12 Faculty

But that's attached, ready to go.

00:01:17 Faculty

And ventilation wise, he's on bi level 16 / 5, good tidal volumes.

00:01:24 Faculty

He's on a rate of 20.

00:01:27 Faculty

200 by 550, 30% oxygen, not getting much secretion from suctioning.

00:01:38 Faculty

So I'm going to go and look after this patient and I'm going to leave you with this patient.

00:01:42 Nurse 1

OK.

00:01:42 Faculty

OK, so do you have any other questions for me? now careview-wise, he does have a few things on careview.

00:01:50 Faculty

The date today is the 27th of September.

00:01:51 Faculty

So there's a few things on here.

00:01:55 Faculty

So we've got a few certain...blood gases and things like that.

00:02:02 Nurse 1

From your shift?

00:02:03 Speaker 3

Yeah there's not a huge amount, they have a lot of obs on there.

00:02:08 Faculty

But I told you everything that has been happening.

00:02:11 Nurse 1

Do I record on here?

00:02:12 Faculty

If, if if you if you've time.

00:02:15 Faculty

That, but it's not. It's not the main thing.

00:02:18 Nurse 1

But if you want to look back on things.

00:02:19 Nurse 1

Has he got any allergies?

00:02:22 Faculty

No drug allergies, no allergies that I know of anyway.

00:02:26 Nurse 1

OK.

00:02:31 Faculty

I'm going to stay In the room. OK. But I'm not here. You're now taking over his care.

00:02:35 Nurse 1

Has he got an NG?

00:02:38 Faculty

Yes, he has an NG. The NG is...I turned his feed off because we thought we were going to extubate him so that's been off for about 12 hours now.

00:02:48 Faculty

We put it on free drainage just to check it was empty.

00:02:55 Nurse 1

You're gonna be around if I need to ask you any questions?

00:02:57 Faculty

Yeah, I'll be here.

00:02:59 Nurse 1

So I act as if I've just taken over this patient..ok yeah.

00:03:02 Nurse 1 (to patient)

Hello, Winston. My name's NURSE ONE. I'm gonna be the nurse looking after you now. I'm taking over FACULTY.

00:03:06 Nurse 1

OK, so I'm gonna come and just do a quick assessment of things. Have a listen to your chest, make sure everything is alright. OK?

00:03:13 Nurse 1

You're just waking up in intensive care. OK, you got a tube in your mouth at the moment just to help you breathe.

00:04:19 Nurse 1

And I'm guessing the sats, like all the observations when I came on where what they've been with you?

00:04:24 Faculty

Yeah.

00:04:25 Nurse 1

I think he's changed. He's been ongoing. Tachycardic.

00:04:29 Faculty

With me, he's been in sinus rhythm. Blood pressure been fine, yeah.

00:04:34 Nurse 1

So was he having any ectopics with you? No? So is that atrial flutter or is it...

00:04:45 Nurse 1

I don't know!

00:04:46 Nurse 1

Can you not tell me that? OK, so I would alert the doctor and the nurse in charge.

00:04:58 Nurse 1

Alright, Winston, we're just going to get the doctor to come help you and the nurse in charge, all right?

00:05:11 Doctor

Hello, hi.

00:05:13 Nurse 1

Just taking care of Winston from FACULTY and I've just noticed he's gone into a bit of funny rhythm, but I'm not 100% certain what rhythm it is but I know before he was in normal sinus rhythm.

00:05:22 Doctor

Right, ok.

00:05:24 Nurse 1

Just gonna do a blood gas and check electrolytes.

00:05:25 Doctor

Yeah, good idea.

00:05:27 Doctor

What was the blood pressure before you went into that?

00:05:30 Nurse 1

So his blood pressure before he went into that, so he'd have been maintaining back of 70 with NOR adrenaline.

00:05:45 Doctor

Have you got his blood results from this morning?

00:05:49 Nurse 1

Yeah.

00:05:50 Doctor

And have we given him anything in the last few hours?

00:05:54 Nurse 1

I'm not sure about that.

00:05:59 Nurse 1

Potassium was 3.3 this morning so we'll double check if it's been replaced. Phosphate is fine. I mean, it's on the lower side.

00:06:09 Nurse 1

We've not given him anything much at all.

00:06:12 Nurse 1

So do you want me to replace the potassium?

00:06:17 Nurse 1

So potassium 3.3, yeah, and magnesium was borderline as well, no.

00:06:32 Nurse 1

On the blood gas.

00:06:38 Doctor

Should we get a 12 lead (ECG)?

00:06:40 Nurse 1

Yep.

00:06:42 Faculty

Let me see if I can get that. Shall I get a gas at the same time?

00:06:44 Nurse 1

I can take the gas if you don't mind getting a 12 lead.

00:06:50 Faculty

I'll take the gas through if you need anything.

00:06:52 Nurse 1

Are you able to get the nurse in charge as well?

00:06:54 Faculty

Yep, I can do that.

00:07:06 Faculty

12 lead here.

00:07:10 Nurse 2

Hi, you doing OK?

00:07:14 Nurse 1

Hi, I took over Winston from FACULTY, and he was quite stable when I came on but he started having some ectopics and he's become quite tachycardic. When I came on, he was about 110-115, now he's up to 160. Just checking the blood, potassium is a bit low and so is magnesium...just checking for gas.

00:07:27 Faculty

Got the gas through.

00:07:31 Nurse 1

Electrolytes...and the doctor has just asked for a 12 lead ECG.

00:07:34 Nurse 2

Has the blood pressure dropped or...has it stayed the same?

00:07:37 Nurse 1

No, blood pressure has not been compromised.

00:07:40 Nurse 2

And you've given him some NORAD?

00:07:42 Nurse 1

Yeah. Just aiming for a map of 70.

00:07:47 Nurse 2

Do we pretend to do a 12 lead ECG?

00:07:49 Faculty

Blood gas here!

00:07:59 Nurse 1

So do I need to tell them the history. Or do they already know this patient?

00:08:02 Doctor

Sorry. Yeah, so I know he's 75 and he's came in 3 days ago with neurosepsis, reduced GCS at the time with a normal CT.

00:08:14 Nurse 1

So he's been on the station hold for 14 hours now and still lots of high for a PCT in a few hours.

00:08:20 Doctor

Yeah. So let's stop this potassium in the first instance. He's not that compromised. Chances are if he's septic he'll just cope.

00:08:31 Nurse 2

So I'll get some potassium and some (unintelligible) 450 and 300 over an hour.

00:08:51 Nurse 2

Got the potassium

00:08:53 Doctor

Give the pupils a look

00:08:58 Nurse 1

Do you want me to help with anything?

00:09:05 Faculty

So this is sterile.

00:09:15 Nurse 2

Um...300 milligrams

00:09:19 Doctor

And there's planned 250 mills of glucose.

00:09:25 Faculty

Do you mean 100...300 sorry?

00:09:28 Doctor

300 yeah.

00:09:37 Nurse 1

Do you need a hand with drugs? Are you ok?

00:09:41 Nurse 1

Yeah, I'm just putting some potassium up.

00:09:44 Nurse 1

Did you say you wanted to put these as well?

00:09:50 Nurse 1

Do you mind sorting magnesium as well?

00:09:52 Nurse 2

Magnesium as well?

00:09:54 Nurse 1

Yeah.

00:09:55 Nurse 1

Can I take the sedation off?

00:09:59 Nurse 2

I'd leave it attached.

00:10:09 Doctor

He's still in the 150 mark.

00:10:15 Faculty

How much magnesium do you want?

00:10:16 Nurse 1

If he comes compromised which...

00:10:19 Nurse 1

We'll get everything ready in case we need it.

00:10:26 Doctor

I think if he's septic, (unintelligible)

00:10:43 Doctor

There’s not been anything much except...

00:10:47 Doctor

Have we done any other investigations during the day?

00:10:55 Nurse 1

He just had a CT when he came into hospital.

00:11:26 Faculty

So what magnesium do you what?

00:11:28 Nurse 1

Blood pressure is starting to be got compromised, maps gone down to 62.

00:11:33 Faculty

The odorine, do you want me to check if it’s finished? It’s 300...350

00:11:44 Nurse 2

How do you want the magnesium done?

00:11:49 Nurse 2

Do you want to go up on the NOR adrenaline or give him a bolus?

00:11:57 Nurse 1

We've got fluid attached already.

00:11:59 Nurse 2

Heart mills? 250 mills?

00:12:03 Nurse 1

Can I ask, what was his urinary output?

00:12:06 Faculty

I can tell you, his urinary act has been fine.

00:12:09 Doctor

He's at a map of 70.

00:12:11 Faculty

About 70, and he was getting about 50 mills an hour.

00:12:15 Doctor

If it's still extended at 70, we'll give him a bit of fluid.

00:12:20 Nurse 1

I'm going to have to do something.

00:12:23 Nurse 2

Do we have a thermometer?

00:12:24 Doctor

Let me check.

00:12:28 Nurse 2

He hasn't urine in over an hour.

00:12:31 Nurse 1

Do you want me to check...the documents?

00:12:35 Faculty

Can you just pick up the magnesium for me?

00:12:36 Doctor

I can't remember.

00:12:39 Faculty

What did you ask me for?

00:12:41 Nurse 1

What did you want me to look at? Magnesium?

00:12:45 Nurse 1

20 mills or 40 mills?

00:12:48 Nurse 1

Yeah. And then it just goes 8.3 mills an hour.

00:12:59 Doctor

Has he got pads on, or no?

00:13:01 Faculty

So these are the pads that he uses. Do you want these on?

00:13:10 Faculty

There and there and then just acts like the normal pads.

00:13:17 Nurse 1

Potassium goes through this attachment in the usual way, nor adrenaline is going through the flush line.

00:13:29 Nurse 2

I think he should start with the right one.

00:13:39 Nurse 2

Where it's attached up to that green?

00:13:44 Nurse 1

OK. Yeah. Yeah. OK then that's fine.

00:13:51 Nurse 2

Should we go up on the NOR?

00:13:53 Nurse 1

No, I'd ask and just give a bolus again.

00:13:59 Nurse 2

He's not on that, no....

00:13:53 Nurse 1

Give a drop in adrenaline as well.

00:14:07

That’s the (medazalan?). Five and five.

00:14:27 Doctor

His blood pressure is holding but a bit low.

00:14:30 Doctor

Not otherwise compromised.

00:14:37 Doctor

And the (unintelligible) is running.

00:14:51 Nurse 1

Winston, can you open your eyes for me?

00:14:56 Nurse 1

Did you check his pupils?

00:14:58 Doctor

Yeah, they’re reactive.

00:15:05 Doctor

I think, just given that he's a bit compromised, it might not be a bad idea to see if we can get him back to sinus.

00:15:18 Nurse 1

I think it started before we started, I think it was always around 90 to 100.

00:15:30 Doctor

I know he's not been waking up and we're going to scan him anyway, I'm just gonna give him a (medazapan?).

00:15:41 Nurse 1

Can I ask, when I took over care, from what I remember, this is what blood pressure was like?

00:15:46 Faculty

Yeah, I think it's about 102 I think it was.

00:15:52 Faculty

I think I have a mean of 77.

00:15:55 Nurse 1

I remember the mean, I just couldn't remember the systolic. Ok.

00:16:02 Doctor

Did we get any response?

00:16:04 Nurse 1

No, nothing at all.

00:16:13 Doctor

I'm just gonna charge, ok?

00:16:15 Nurse 1

Do you want us to stay away?

00:16:19 Doctor

OK.

00:16:26 Doctor

There we go, sinus rhythm. Let's just see if he gets supported.

00:16:37 DEFIB AUTOMATED VOICE

15 seconds without sign of compressions.

00:16:58 Nurse 2

Do you want me to go back on blood pressure?

00:17:02 Nurse 2

Left a little bit on the NORAD.

00:17:16 Nurse 2

Just run out of pumps.

00:17:20 Nurse 2

Can we get more pumps?

00:17:22 Doctor

You can use one of these pumps.

00:17:36 Doctor

(unintelligible) 20-80 mills.

00:17:43 Doctor

80 mills an hour.

00:18:03 Faculty

I haven't done all the obs but all the stuff is there.

00:18:29 Faculty

If you want them to know any more, I'll tell you what you need.

00:18:35 Doctor

So we might have underdone his fluids, is that fair? He's still a bit acidosis.

00:18:44 Nurse 2

Do you want me to do a repeat gas?

00:18:48 Nurse 1

You're not gonna see anything, any changes.

00:19:02 Nurse 1

BP is usually gaining.

00:19:11 Doctor

I think we'll maybe get cardioversion going. He's getting faster.

00:19:13 Nurse 1

OK.

00:19:15 Doctor

There's no signs that he's...

00:19:39 Nurse 2

If we put it through the bag, we can do it quicker.

00:19:59 Doctor

Winston? No, he’s not responding.

00:20:18 Nurse 2

He sped up unusually.

00:20:27 Nurse 1

Increase the mazapan to 100.

00:21:14 Doctor

Everybody clear (delivering shock)

00:21:27 Doctor

Don't think we're gonna have much success with this.

00:21:35 Nurse 2

Shall we go up in NORADs?

00:21:36 Doctor

We'll go up a bit on the NORAD.

00:21:47 Doctor

Do he feel warm?

00:21:51 Nurse 2

He is a bit warm, yeah.

00:22:03 Faculty

Do you want me to do a temperature?

00:22:05 Nurse 2

Yes please.

00:22:11 Doctor

Why don't you pop another gas, just see...

00:22:13 Nurse 1

Yeah.

00:22:15 Faculty

His temperature is 39.

00:22:22 Nurse 2

Did you give him paracetamol?

00:22:31 Faculty

I think he is due paracetamol.

00:22:36 Nurse 2

And what about the antibiotics?

00:22:39 Faculty

He's had them.

00:22:43 Nurse 2

Shall I get some paracetamol then?

00:22:48 Nurse 1

Can I give you another blood gas?

00:22:53 Faculty

You can.

00:23:23 Doctor

And we've heard a bit more of that.

00:23:28 Faculty

Got the gas for you.

00:23:30 Nurse 1

Thank you.

00:24:11 Nurse 1

Do you want me to replace the potassium double? Yeah.

00:24:35 Doctor

We need to get his oxygen up.

00:24:45 Doctor

I think it's just hypoxia.

00:24:48 Nurse 1

Shall I listen to his chest and just check? It was clear before.

00:24:52 Doctor

Could we just go up again on that Norad?

00:24:54 Nurse 2

I'm just wondering should we try and run the other pump in case there's a problem with this switch?

00:24:58 Nurse 1

Yeah

00:25:01 Nurse 1

Put the whole pump onto the other?

00:25:02 Doctor

Yeah.

00:25:03 Nurse 1

I’ll double check the lines are ok.

00:25:06 Doctor

And that NORAD is running into, which port?

00:25:12 Doctor

That looks pretty fine.

00:25:15 Nurse 2

Just try the other switch.

00:25:42 Nurse 2

OK, the new NORAD's running now, so it should go up.

00:25:56 Doctor

Can we see how he got on in his chest x-ray?

00:25:58 Faculty

Yeah.

00:26:15 Doctor

Now you're running super fast, so we should get through it within the next few minutes.

00:26:20 Doctor

And then I think once we've done that, we should see something.

00:27:04 Nurse 1

His blood pressure is not improving, is it?

00:27:05 Nurse 2

It's not moving.

00:27:07 Faculty

NORAD is at 10 and then you're double pumping it until you pump.

00:27:09 Nurse 2

Yeah. Hmm. I've not seen a rise yet.

00:27:12 Doctor

He's completely unresponsive to the NORAD.

00:27:17 Doctor

Alright, let's try cardioverting again.

00:27:35 Doctor

Charge it to about 150.

00:27:39 Nurse 2

Charging.

00:27:49 Nurse 2

About to shock, everybody stand away, please. OK, Shocking now.

00:28:03 Doctor

OK start CPR.

00:29:08 Nurse 1

In this situation, we'll probably for a few more people to help give a hand as well.

00:29:11 Faculty

OK. Yeah, we've called for a few people.

00:29:15 Nurse 1

Do you want me to bag him?

00:29:16 Doctor

Yeah.

00:29:19 Nurse 2

Won't be long before I get tired (from CPR).

00:29:22 Faculty

I can take over.

00:29:23 Nurse 1

I can't use that bag of masks so you can do that.

00:29:28 Nurse 2

If I count down from 5, can you take over? 5 4 3 2 1

00:29:37 Faculty

So I'm going to disconnect the vert bag.

00:29:58 Nurse 1

I don't know what time it was.

00:30:12 DEFIB AUTOMATED VOICE

Compress faster.

00:30:23 DEFIB AUTOMATED VOICE

Compress deeper.

00:30:30 Nurse 2

I can take over in a minute.

00:30:31 Nurse 1

CPR's been going 55 seconds.

00:30:44 Faculty

Do you want me to take over now?

00:30:46 Nurse 1

Just checking if we've got any rhythm

00:30:52 Doctor

Back in sinus rhythm.

00:30:58 DEFIB AUTOMATED VOICE

15 seconds without sign of compression.

00:31:13 DEFIB AUTOMATED VOICE

30 seconds without signing compression.

00:31:15 Faculty

End the scenario there.

00:31:20 Faculty

Another life saved.