

Surgical safety in the eyes of OR nurse

Agnieszka Szmit


Master of Nursing

Specialist in Operating Room Nursing

Who am I and
why I am here for?

- I work as OR nurse since 2014
- At Integrated Operating Theater:
 - Urology
 - Otolaryngology
 - Ophthalmology
 - Surgery





Where did the idea
for the presentation
come from?

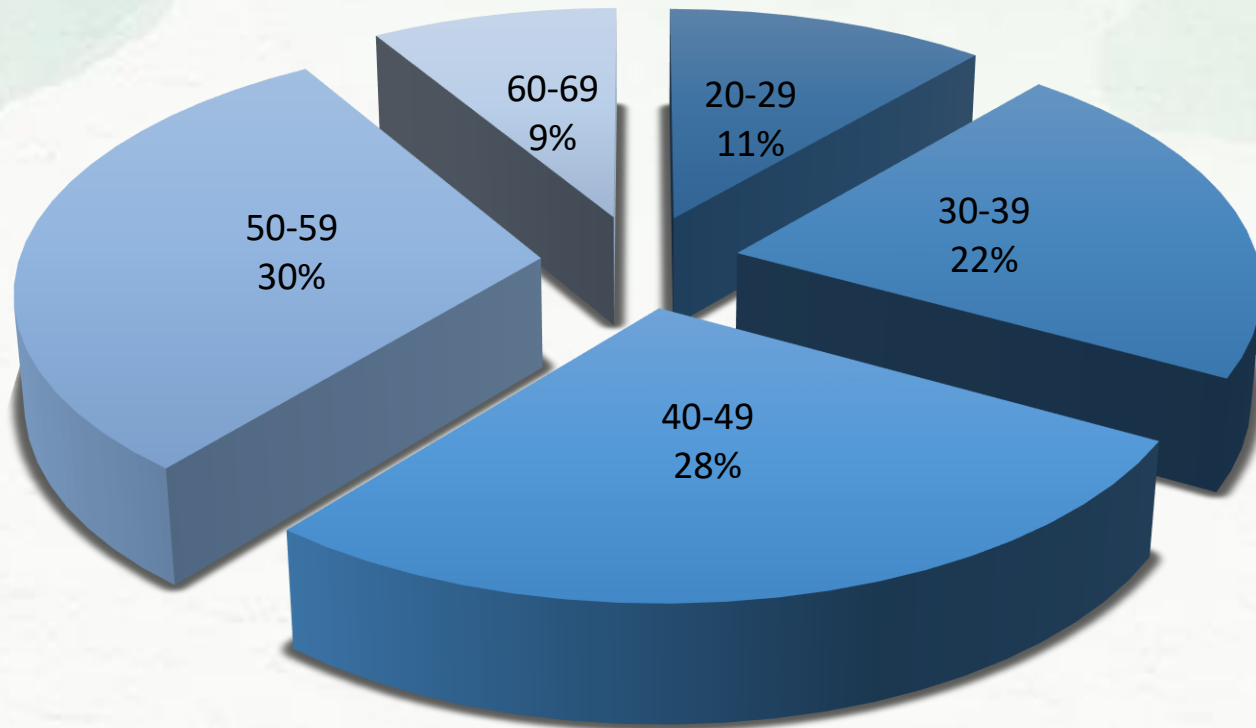
How this presentation was created?

- A questionnaire was developed that included both open and closed, single and multiple choice questions.
- It was made available among colleagues and nurses from all over Poland from the Instrumentariuszki group on Facebook.
- The obtained data from 115 questionnaires were verified and analyzed.
- The data has been compiled and theses have been formulated.

- ▶ If a nurse has more than one place of employment, she has a greater chance of suffering or causing an accident
- ▶ Having OC insurance gives self-employment nurses a greater sense of security
- ▶ The most common accident a nurse would experience in perioperative care is a head injury or occupational exposure
- ▶ The most common accident a patient would experience in perioperative care is burns to the skin
- ▶ Despite nurses' knowledge of work ergonomics, they use it only partially at work
- ▶ The most common cause of accidents at work is haste (uncontrolled rush)

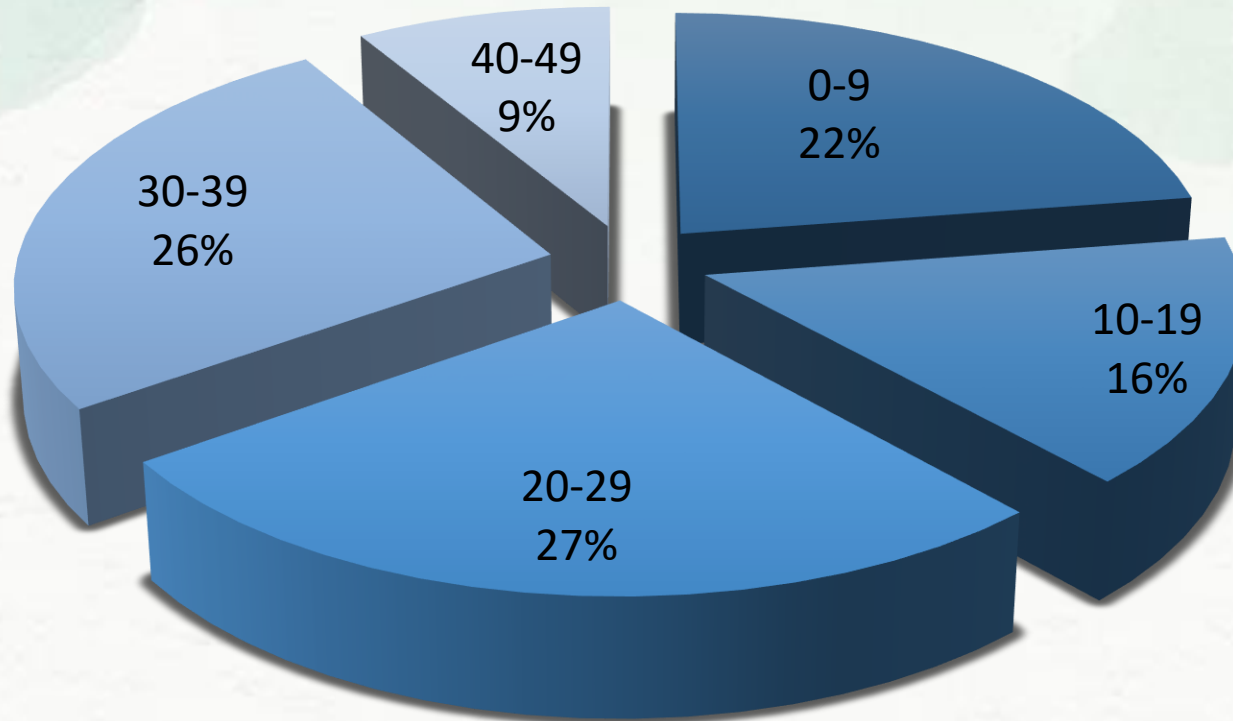
Theses

Age



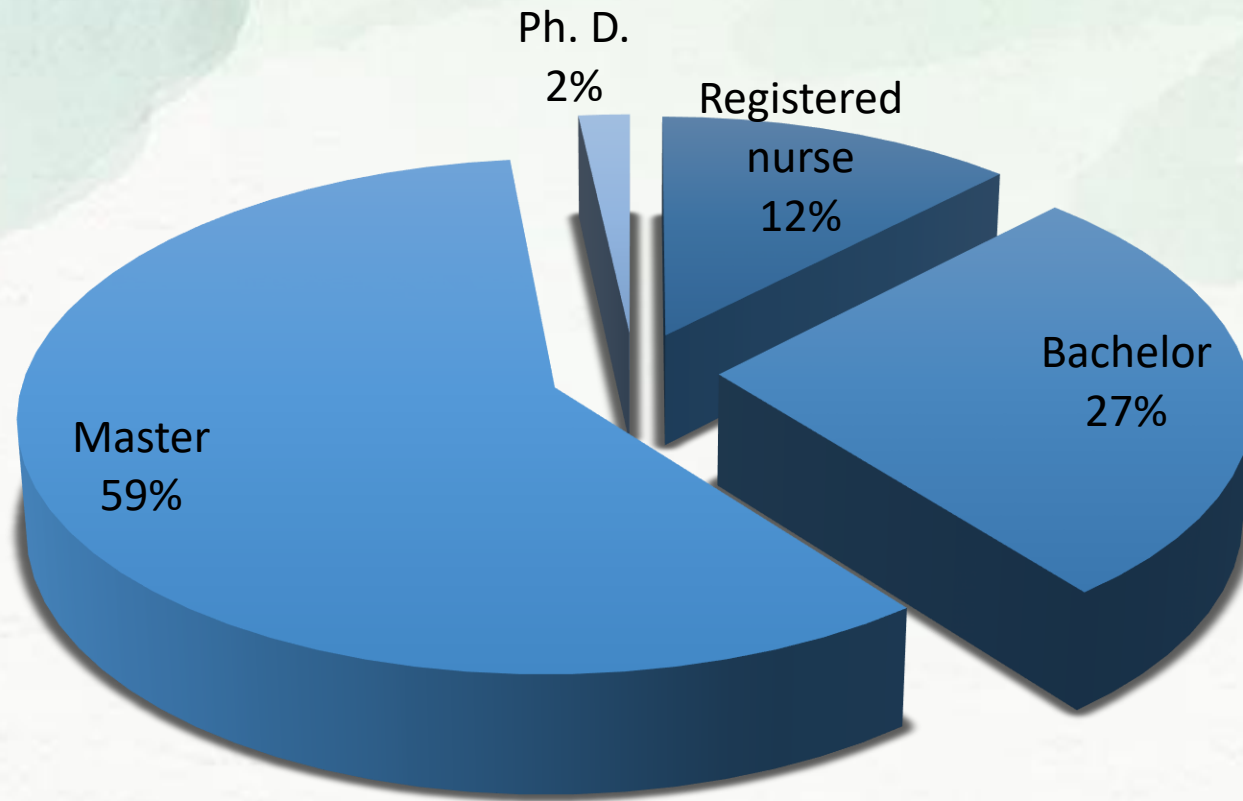
- The youngest respondent : 24 y.o.
- The oldest respondent: 68 y.o.
- The average age: 45 y.o.

Experience

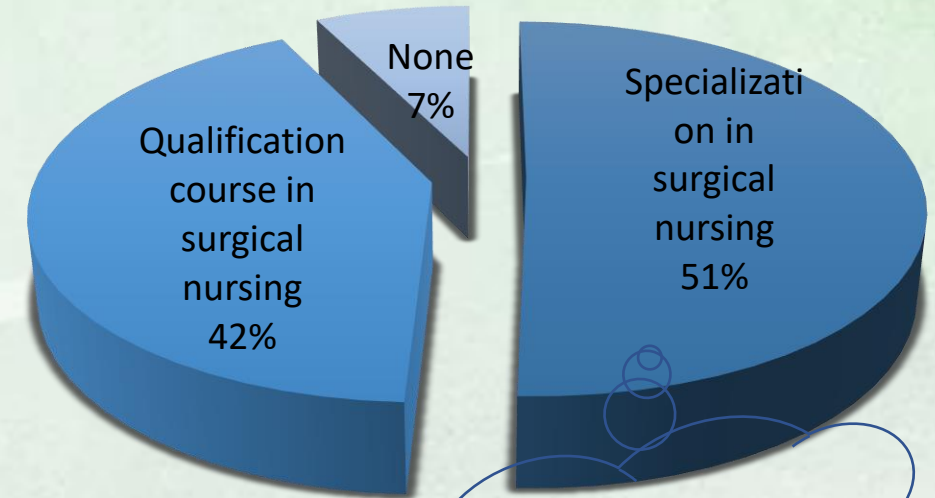


- The shortest length work experience: 1 y.o.
- The longest length work experience: 49 y.o.
- The average length of work experience: 22 y

Education

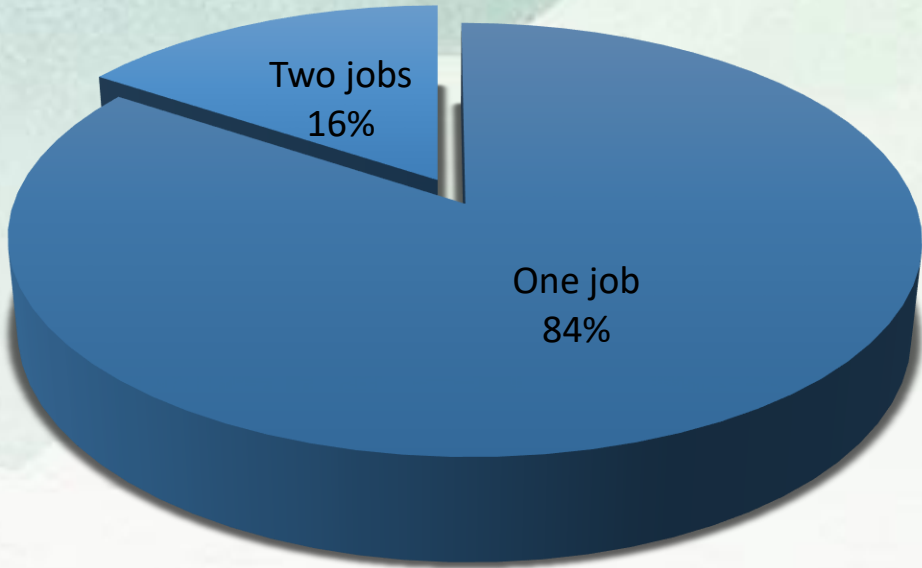


Courses

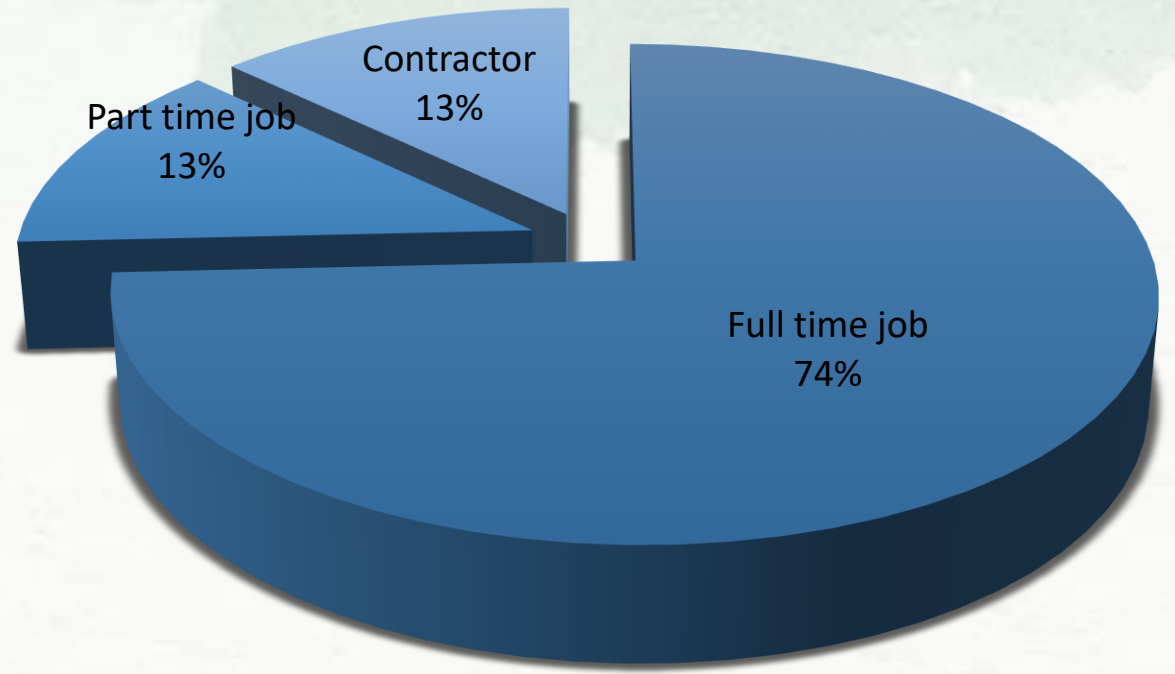


Only specialization:
41%
Qualification course+
specialization:
30%

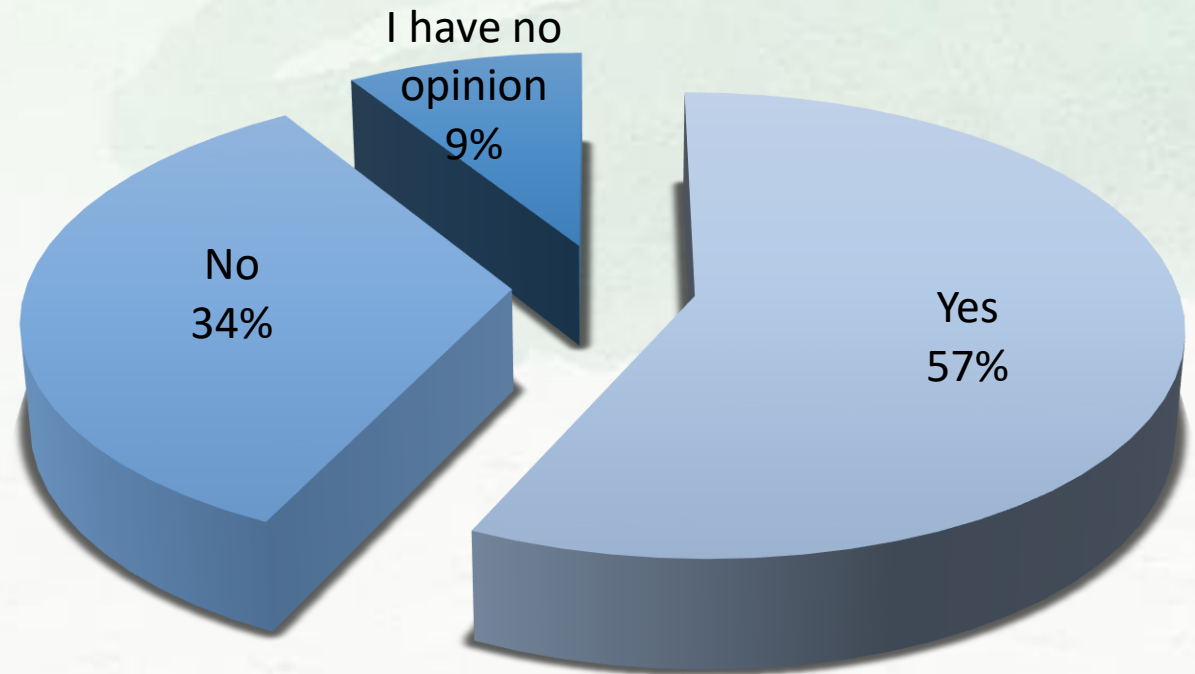
Full time jobs



Form of Employment



Do you find your workplace a safe place?



Justify your answer



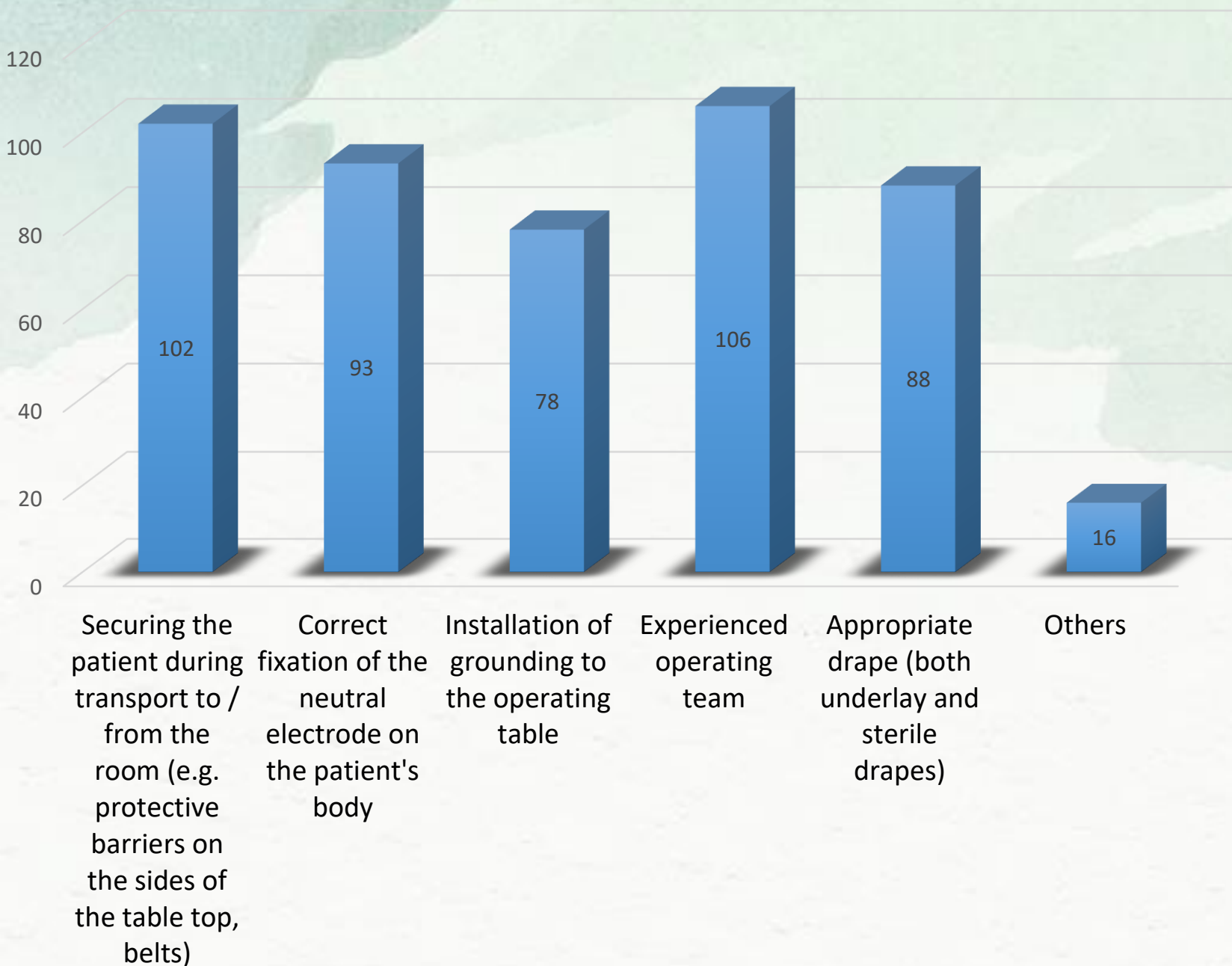
- Using procedures in everyday work
- Access to personal protective equipment
- Access to operational clothing
- Investing in human resources
- Investing in modern equipment
- Cyclical OSH training
- Organizing in-company training at the workplace by the employer

- ▶ 'I have a feeling of lack of support from my superiors'
- ▶ No response from the superiors to the reported problems
- ▶ No ergonomic solutions in the rooms and corridors
- ▶ Staff shortages e.g: one nurse on call
- ▶ The pace of work (constant rushing, urging)
- ▶ Constant economising on personal protective equipment
- ▶ Failure to follow procedures

Justify your answer



Patient's safety

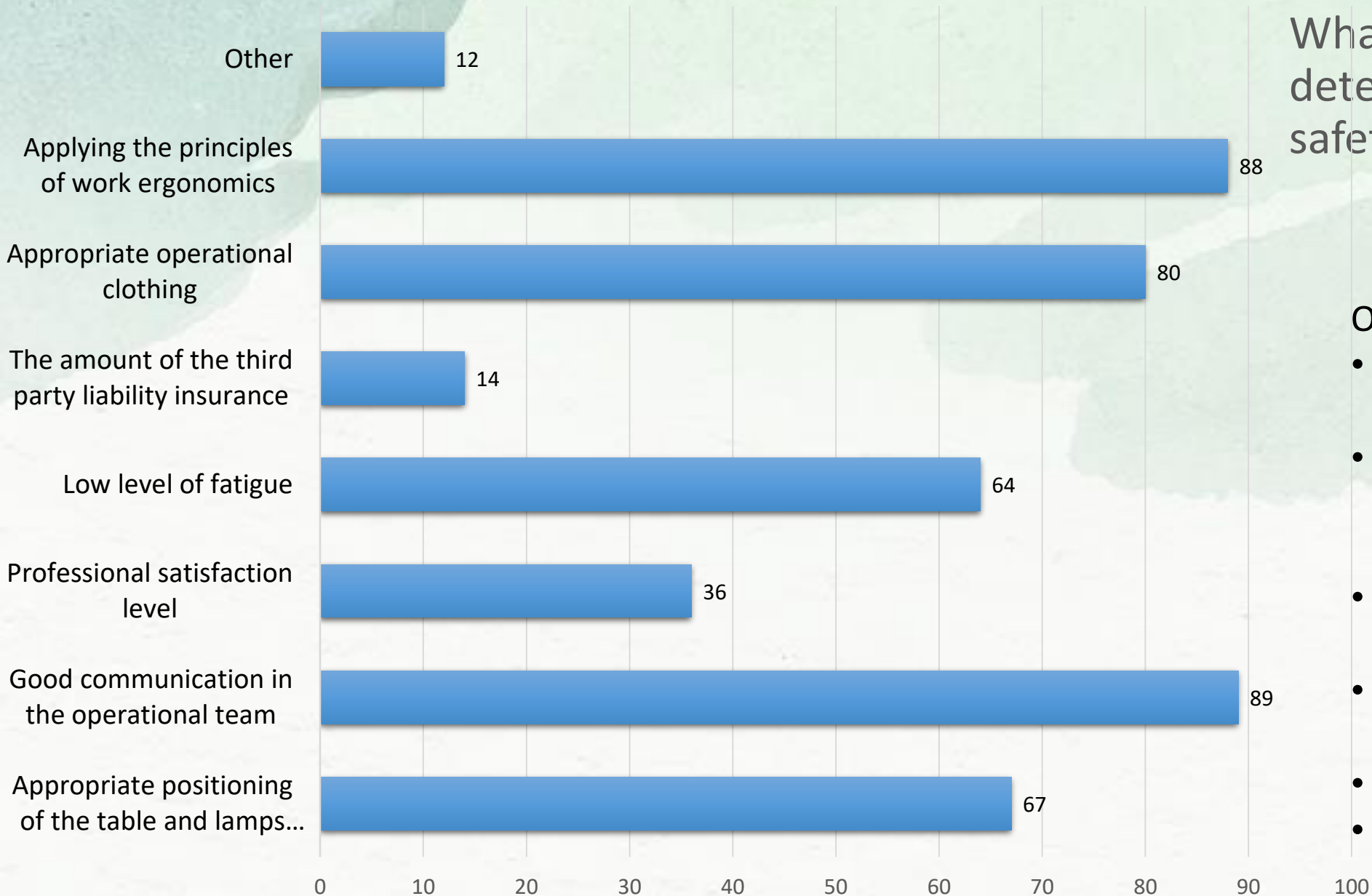


What, in your opinion, determines the patient's safety?

Others:

- application of procedures
- efficient and properly serviced medical equipment
- interpersonal communication
- organization of work in the operating theater

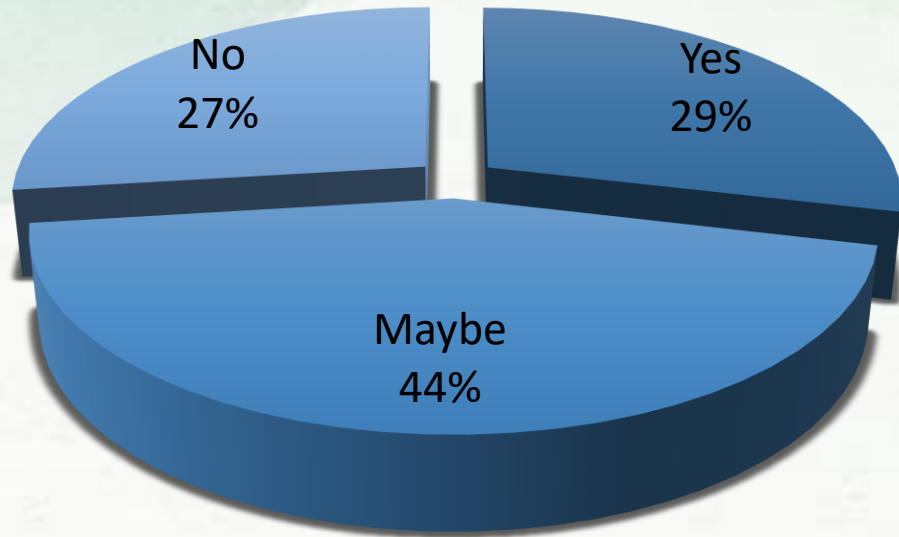
What, in your opinion,
determines the Nurse's
safety?



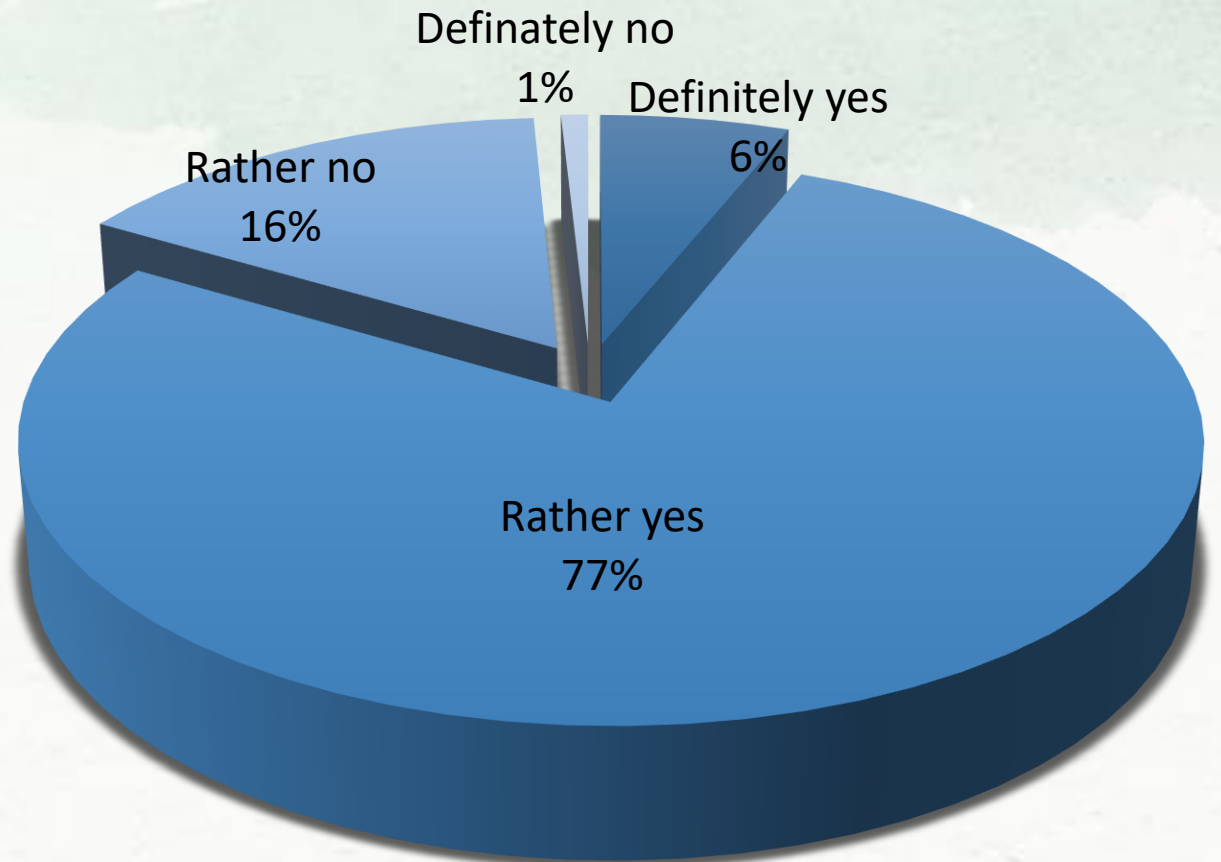
Others:

- A permanent and qualified team in a given block
- Proper positioning of equipment and cables before operation
- Shifts arranged in a way that enables regeneration
- Work according to the procedures
- Availability of equipment
- Personal protective equipment

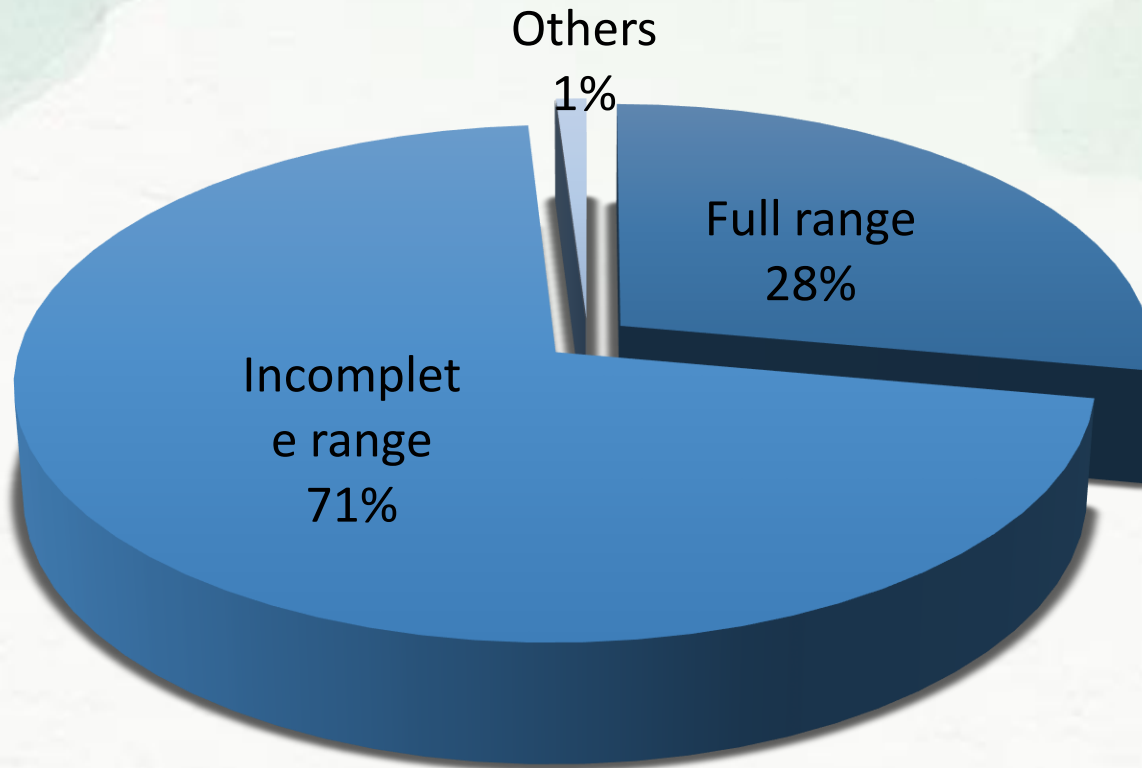
Have you undergone training in the principles of work ergonomics?



Do you know the principles of work ergonomics?

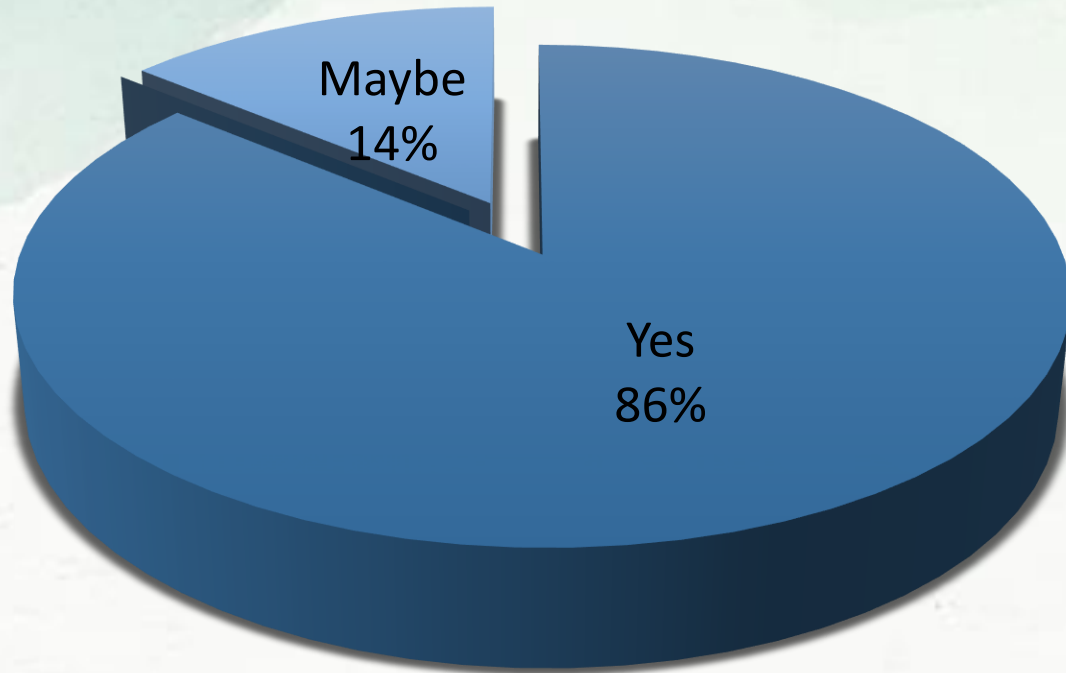


To what extent do you apply the principles of work ergonomics while performing your official duties?



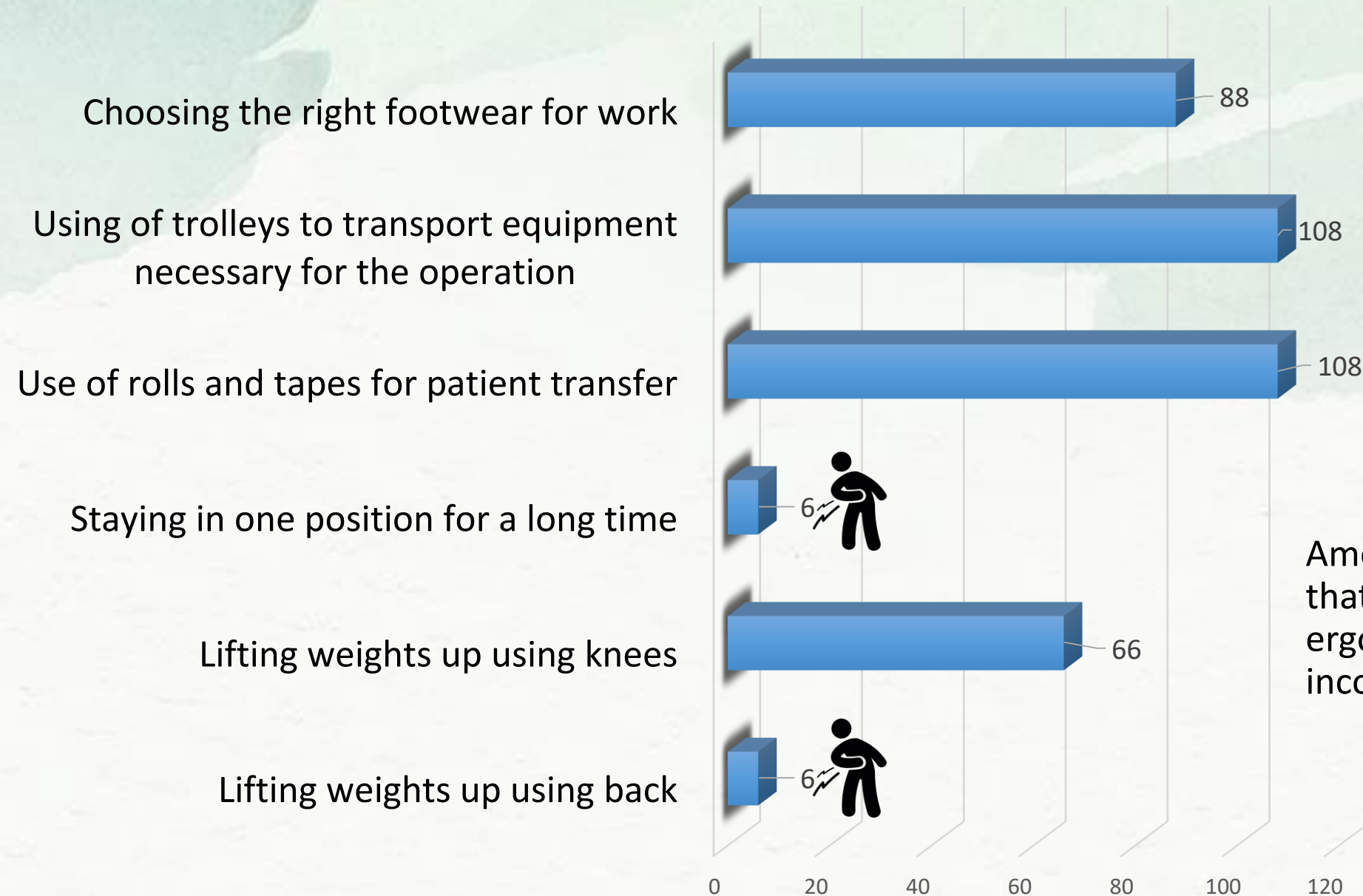
For those who answered yes

If the workplace would organize training
in the principles of work ergonomics,
would you take part?



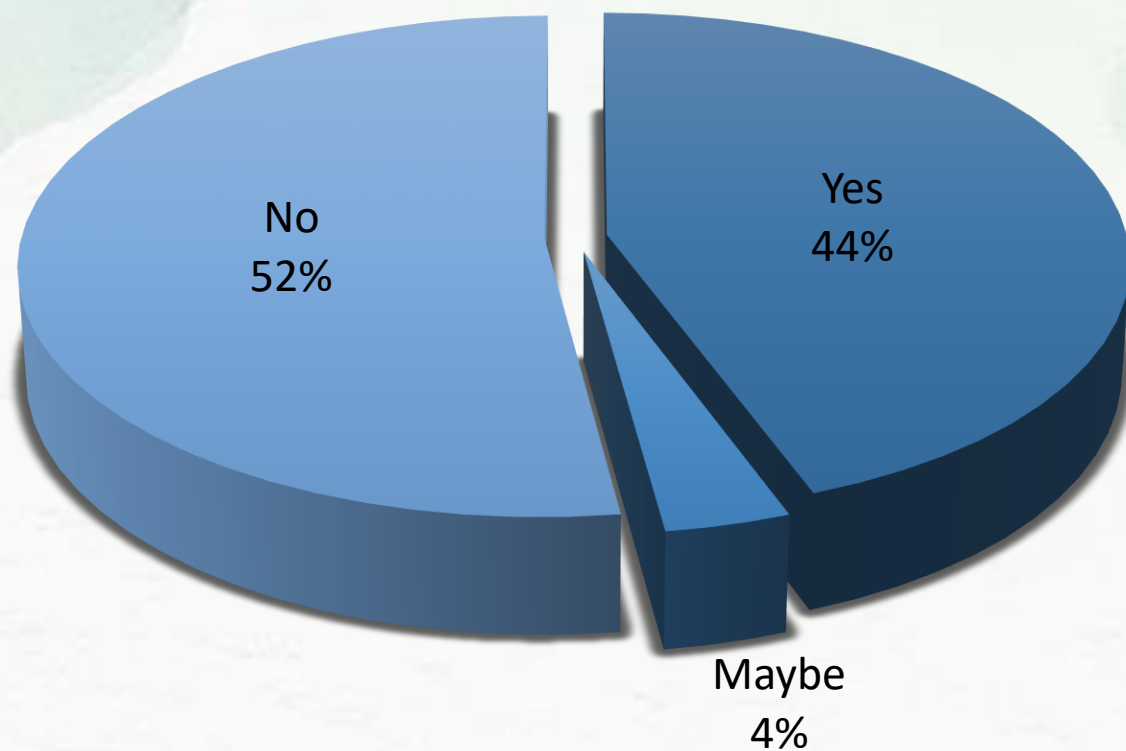
NO-ONE SAID NO!

Which statements are consistent with the principles of work ergonomics?

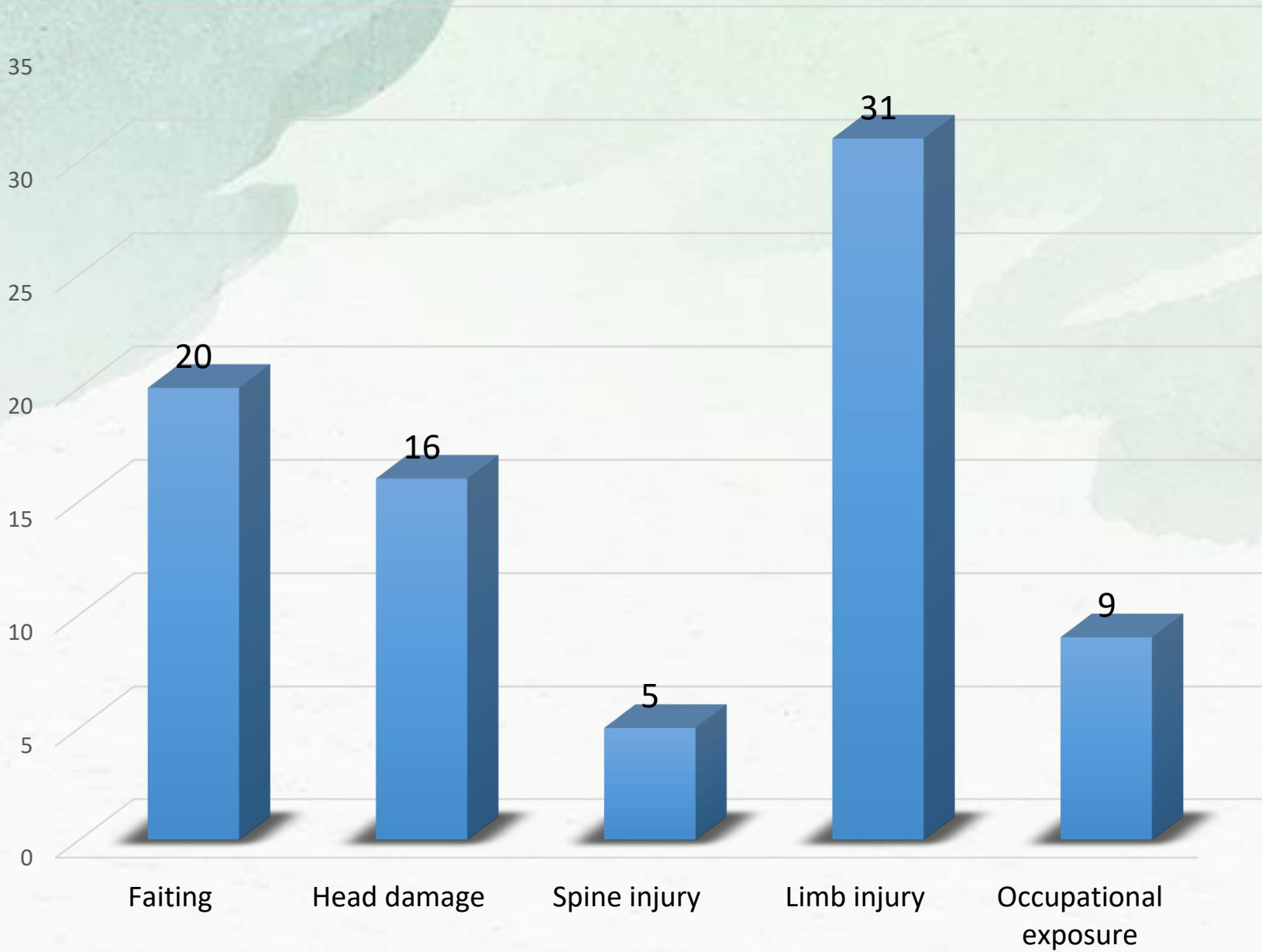


Among the people who indicated that they know the rules of work ergonomics, there were 6 incorrect answers

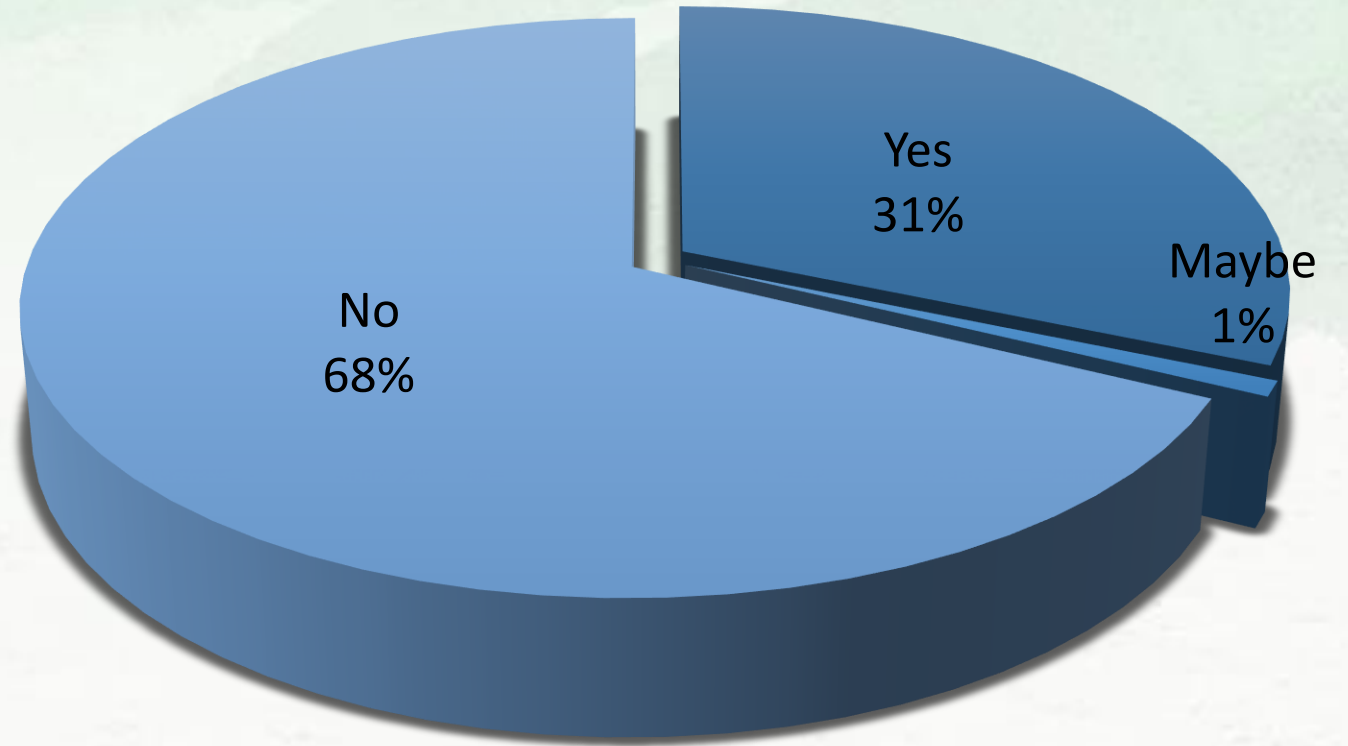
Has there ever been an accident at work in which you personally suffered?

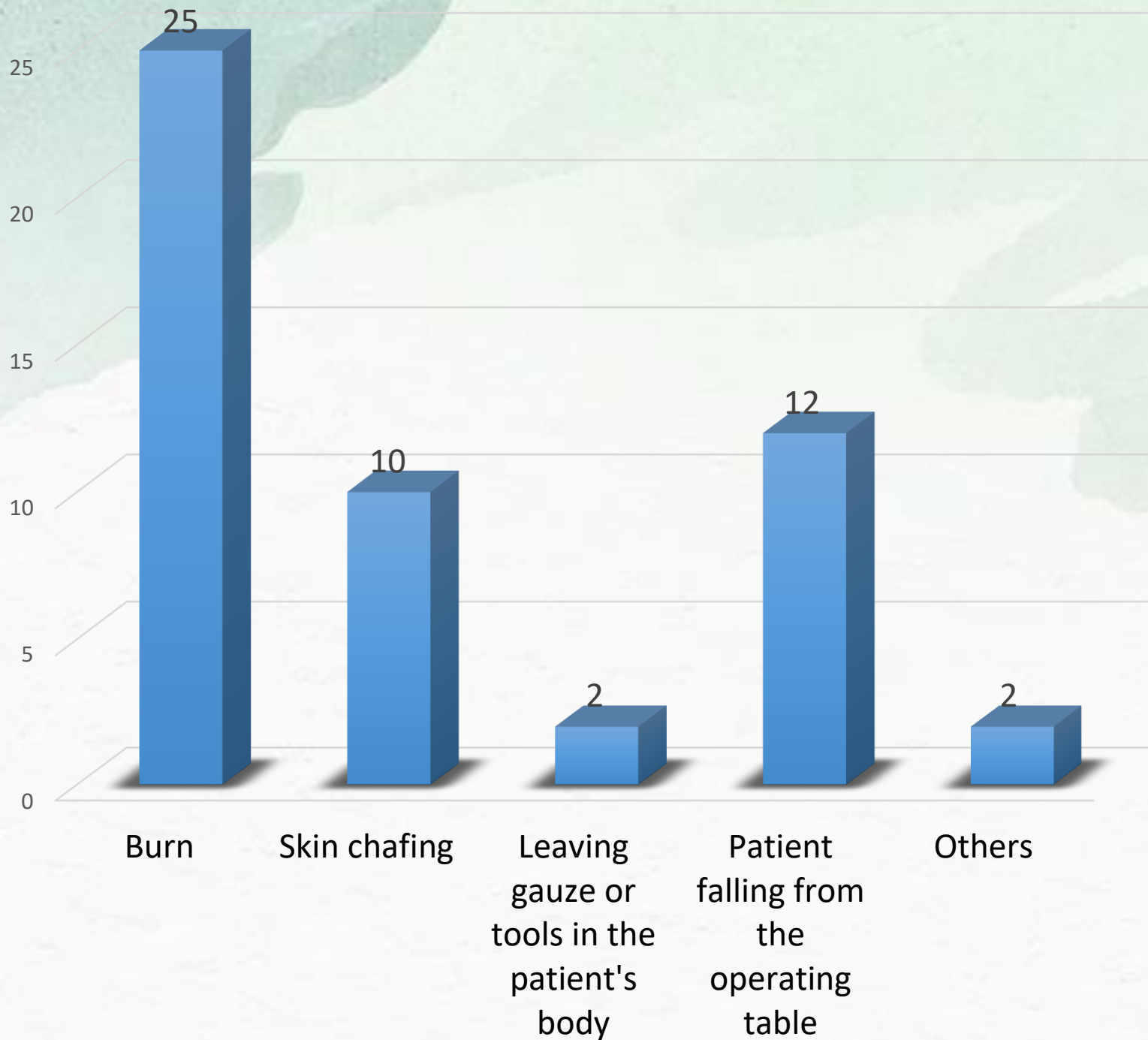


What was the nature of this accident?



Have you had an accident at work in which a patient was injured?



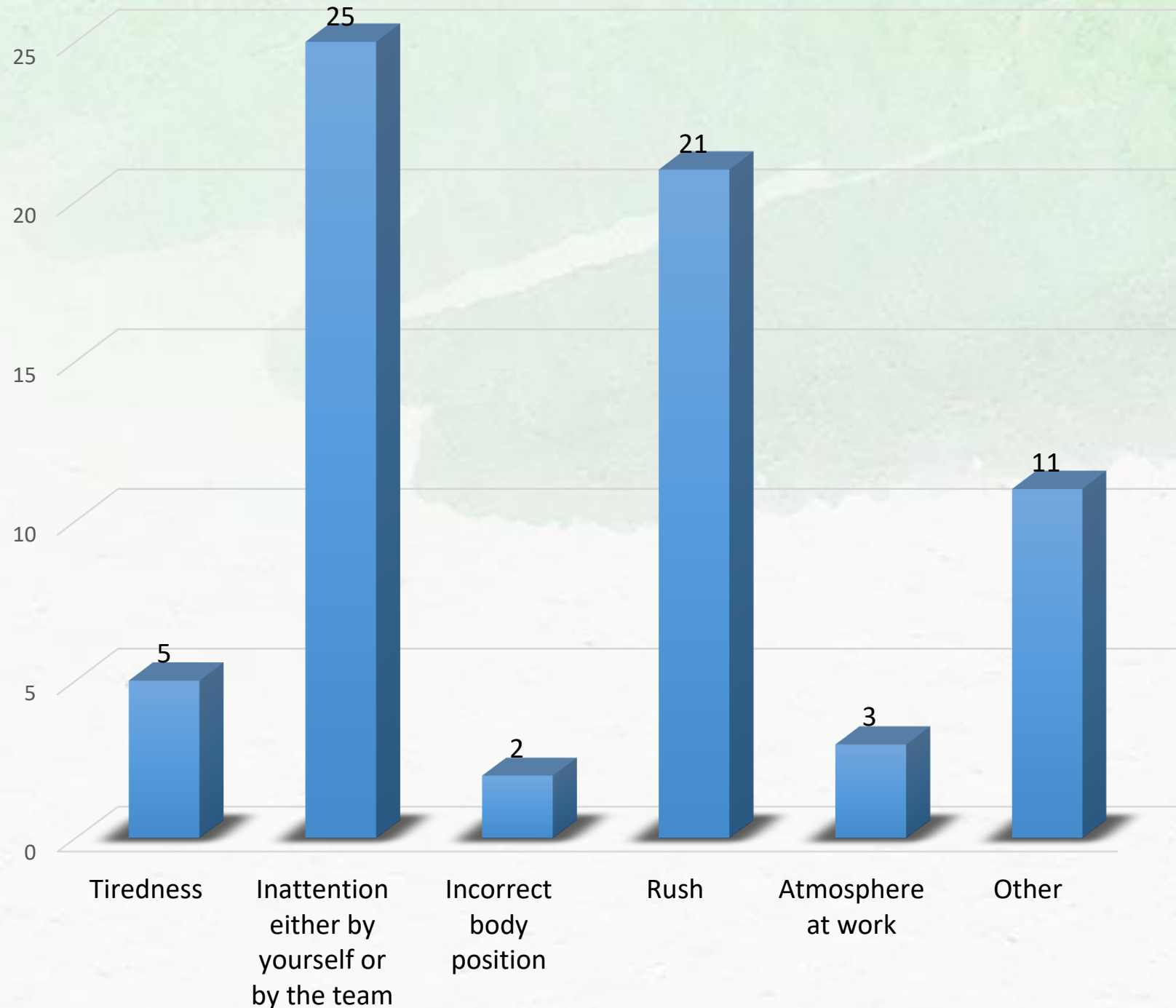


What was the nature of this accident?

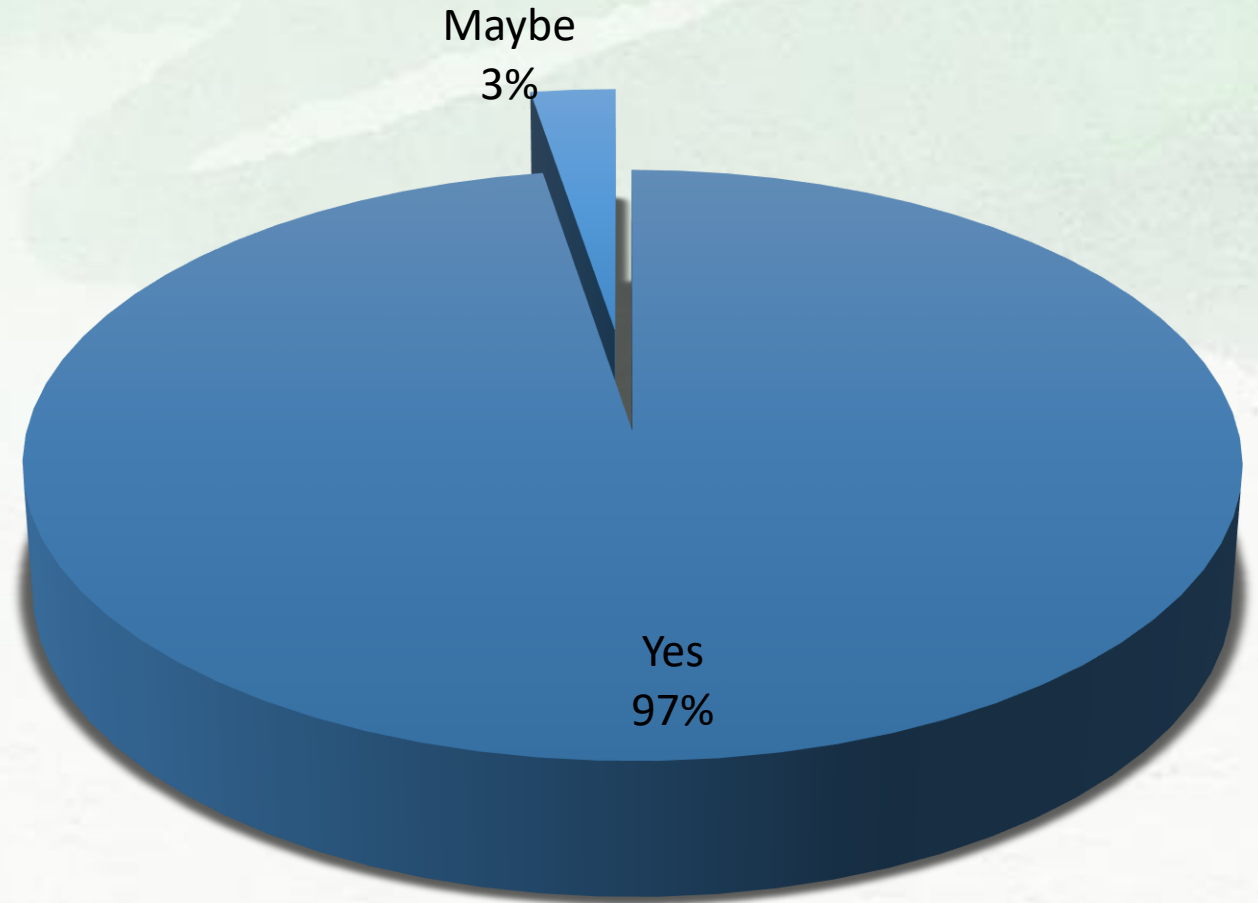
The answer 'other' included a cut of the fetal skin during a cesarean section and a break in the continuity of the skin in a place other than the surgical incision

What do you think was the likely cause of the accident?

The 'other' option included statements such as duration of surgery, defective equipment, no choice of drapes, patient sweating, hole in the floor, no air conditioning, wet floor.

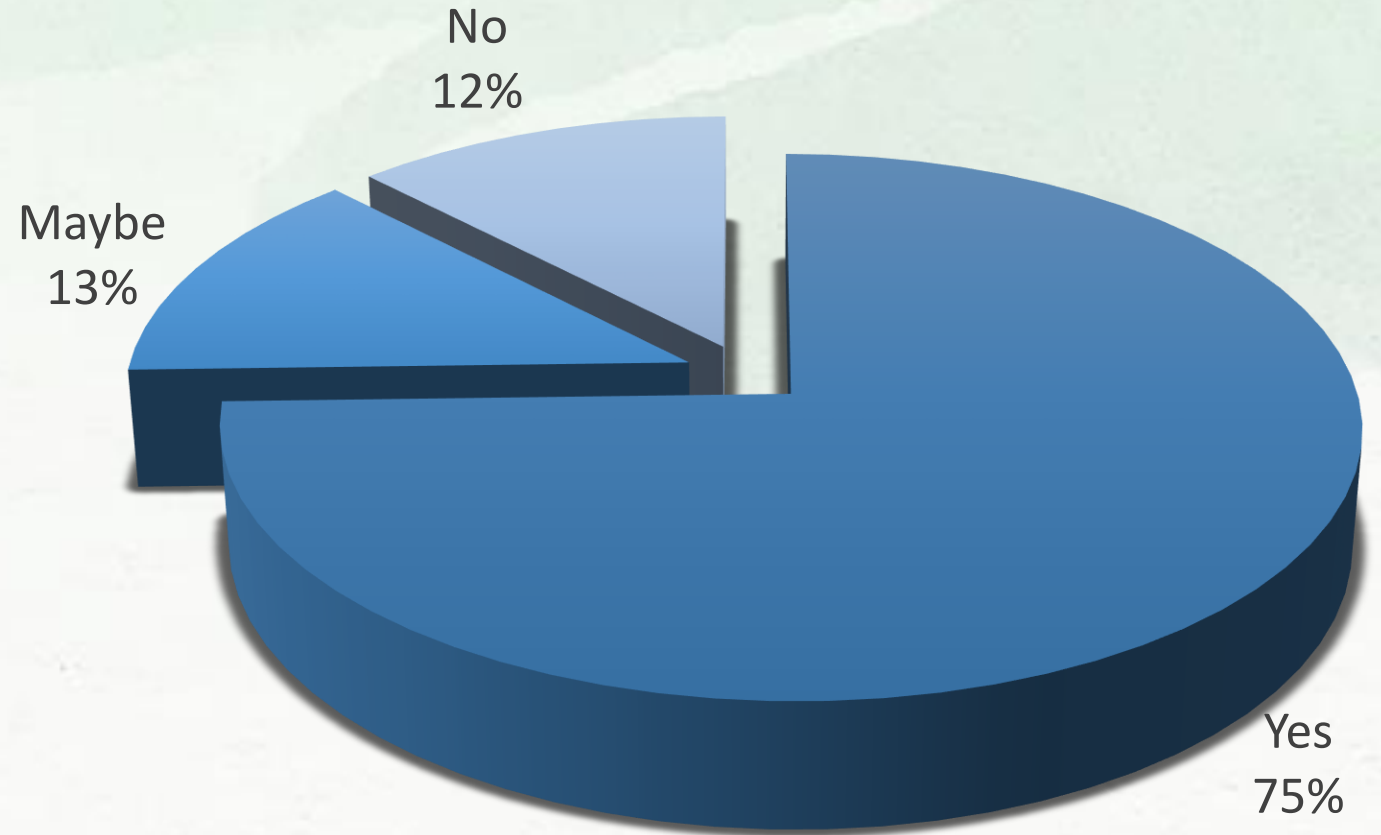


Do you think that
human relations have
an impact on
perioperative safety?

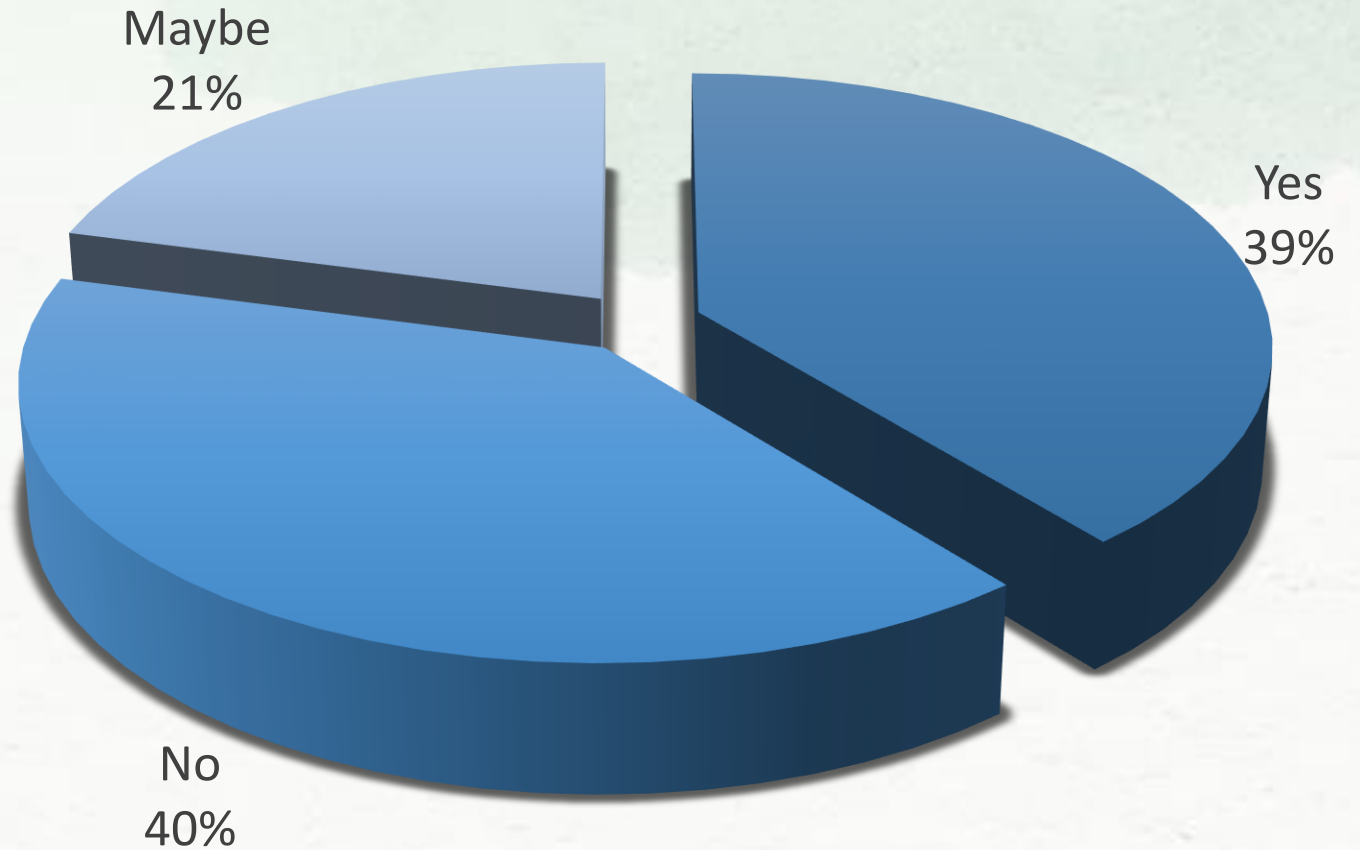


No-one says no.

Have you ever felt insecure because of the 'difficult' relationship in the operating team (nurse-doctor line)



Do you feel the pressure from the medical team to be fast and infallible during the procedure?



- 53% respondents under 39 y.o. answered YES!
- Only 32% over 39 y.o. answered YES.

Let's focus of what is happening during this situations....
What do they hear...?

Hurry,
hurry... we
don't have
all day to do
this...

You are
working
here and
you don't
know that...
?!

Nurse XYZ
will do
this/that...

Oh my...
how long
should I
wait....

If you were
working
during the
professor's
time ...

She went
out to
manufacture
these tools?

If you do not
get the
equipment,
the patient
will die
because of
you!

Operator is
throwing
tools

Let's focus of what is happening during this situations....
How do they feel...?

Nervous

Divided

Shaky

Frustration

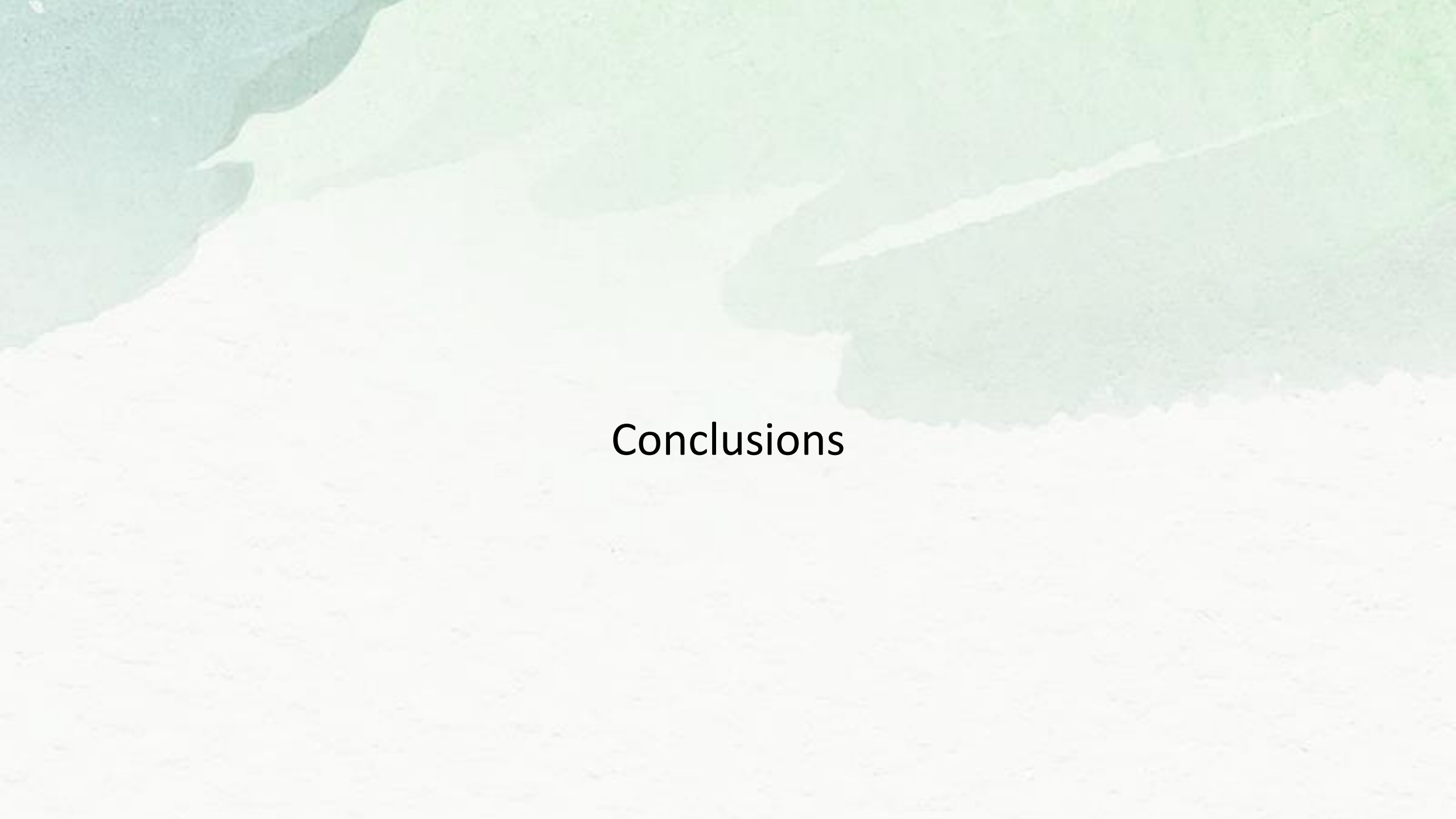
Fear of
another
mistake

Irritated
that new
equipment
came and
no one
trained
either the
nurses or
the doctors
but the
nurses are
to blame

Stress

Headache

High
psychological
burden



Conclusions

- If a nurse has more than one place of employment, she has a greater chance of suffering or causing an accident

Not true

Taking into account the dependence between the number of jobs and the probability of an accident on one's own person and on a patient, the following results were obtained. People working in one job more often made a mistake.

	Accident on themselves	Accident on patient
1 job	46%	32%
2 jobs	33%	22%

- ▶ Having OC insurance gives self-employment nurses a greater sense of security

Not true

Nurses who are on a self-employment contract pointed to this answer less frequently than nurses others.

Full time job and OC insurance	7,826086957
Part time job and OC insurance	0,869565217
Contractor and OC insurance	1,739130435

- ▶ The most common accident a nurse would experience in perioperative care is a head injury or occupational exposure

Not true

The most common accident a nurse would experience in perioperative care is limb injury (e.g. driving a transport table over the foot), then fainting and head damage.

- ▶ The most common accident a patient would experience in perioperative care is burns to the skin



True

The respondents indicated this answer 25 times, then 12 of them indicated the patient fell from the operating table or during transport

- ▶ Despite nurses' knowledge of work ergonomics, they use it only partially at work



True

71% of respondents declared to use only some of the principles of work ergonomics, explaining that time or superiors does not allow it or "out of laziness"

- ▶ The most common cause of accidents at work is haste (uncontrolled rush)

Almost
true

According to the respondents, the most common reasons for accidents at work were inattention (25 votes) and haste (21 votes)



Thank you for your attention!