

ANNEX 1

EX ANTE questionnaire - Correct use of airway PPE

Questionnaire for the preliminary assessment of knowledge on the correct use of airway protective devices.

* Mandatory field

1. Email address *

Purpose of the questionnaire

This questionnaire is part of a training aiming to understand your knowledge about the use of surgical masks and respiratory masks.

The objective of this questionnaire is not to guess the right answer, but to highlight in the most transparent way which aspects of the use of the masks are not known. So we ask you to answer the given questions honestly by indicating the answer "I don't know" if you don't know the answer.

Section 1: Knowledge

1) What is meant by surgical mask? *

A personal protective equipment for the airways

A medical device that protects the environment from the wearer

A medical device that protects the wearer

A personal protective equipment that protects the environment from the wearer

I don't know

2) What is meant by "KN95 or FFP2 respirator mask"? *

A surgical mask

An individual protection device that allows to protect the wearer from the environment

An individual protection device belonging to the APVR able to protect both the wearer and the environment (if without valve)

A collective protective device

I don't know

3) What is meant by "community mask"? *

A surgical mask

A personal protective equipment

Any mask (also self-produced and/or washable) that covers the nose and mouth

A collective protective equipment

I don't know

4) Which device must wear a person suffering from symptoms of infection respiratory according to WHO? *

A surgical mask

A respirator mask with valve

A community mask

A FFP3 respirator mask

I don't know

5) A worker who is in contact with a person with symptoms of respiratory infection, which filtering mask should wear? *

A surgical mask

A filter respirator with assisted ventilation

A community mask

A FFP2 respirator mask

I don't know

6) What filtering capacity must a surgical mask respect? *

Filtering capacity of 20% in inspiration (inlet towards the operator) and 95% in expiration (outlet to the environment)

Filtering capacity of 50% in inspiration (inlet towards the operator) and 95% in exhalation (outlet to the environment)

Filtering capacity of 50% in inspiration (inlet towards the operator) and 50% in expiration (outlet to the environment)

Filtering capacity of 95% in inhalation (inlet towards the operator) and 20% in exhalation (outlet to the environment)

I don't know

7) How effective are the APVRs (respiratory protection devices) FFP1, FFP2 and FFP3 during the inhalation phase? *

FFP1 = 50 / FFP2 = 70% / FFP3 = 90%

FFP1 = 60 / FFP2 = 80% / FFP3 = 100%

FFP1 = 71 / FFP2 = 83% / FFP3 = 95%

FFP1 = 78 / FFP2 = 92% / FFP3 = 98%

I don't know

8) When should a person never use a respirator mask with a valve? *

When the person wearing it has symptoms of respiratory infection

When the person wearing it is in contact with a person with symptoms of respiratory infection

When the person wearing it is caring for a person with pneumonia

None of the other answers are correct

I don't know

9) Regarding the classification (FFP1-FFP2-FFP3) what is the difference between a respirator mask with valve and one without a valve? The respirator mask ... *

... with valve it is more comfortable and has a greater filtering capacity than that without a valve

... with valve it has a greater filtering capacity in the inhalation phase than in the exhalation phase (it is not protective towards the environment)

... without valve is less filtering but more comfortable than the one with the valve

... without valve it does not have a good filtering capacity during exhalation (it is not protective towards the environment)

I don't know

10) What is the correct order of the actions to be performed to correctly wear a surgical mask or a respirator mask? *

Carry out proper hand hygiene - take the surgical mask or the respirator mask - place it on the face - shape the nose clip so as to ensure maximum adherence - place the elastic straps

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Carry out proper hand hygiene - take the surgical mask or the respirator mask - place it on the face - place the elastic straps

Take the surgical mask or the respirator mask - place it on the face - place the elastic straps - shape the nose clip in order to ensure maximum adherence

I don't know

11) What test the operator who intends to wear a respirator mask has to carry out to verify that it is suitable for him and his face shape? *

Press test

Grip test

Fit test

None of the above

I don't know

12) How do you check that the respirator mask without valve has properly adhered to the face, guaranteeing adequate filtering protection? *

Cover the entire external surface of the mask with your hands and take a deep breath.

Cover the entire external surface of the mask with your hands and hold your breath.

Cover the entire external surface of the mask with your hands and exhale deeply; if you feel an increase in pressure in the space inside the mask, it means that it adheres correctly to the face.

Place the hands outside the edges of the mask and exhale deeply; if you feel air it means that the mask does not adhere properly.

I don't know

13) How many times can I reuse the same surgical mask or the same respirator mask? *

3 times, letting at least 5 days pass between each use in order to guarantee the complete elimination of the bacterial load

Until it shows evident signs of wear

Until it is soiled by biological liquids

Never, it is disposable: at the end of the recommended time of use or if it's taken off, it must be replaced with a new one

I don't know

14) After how long continuous use in a healthcare environment is it appropriate to replace the respirator mask (FFP1 - FFP2 - FFP3)? *

The filtering capacity is strongly influenced by the humidity emitted by the respiratory acts: for this reason, it is considered appropriate to replace it after 6 hours.

Until the operator perceives a decrease in adherence to the face due to the elastic straps losing their resistance

The filtering capacity is standard and is not influenced by the use of the filter: it can be worn for the entire duration of the work shift even if it is longer than 8 hours.

It would be advisable to replace the respirator mask after each patient, to avoid contamination

I don't know

15) After how long of continuous use is it appropriate to replace the surgical mask? *

None of the above

The filtering capacity is strongly influenced by the humidity emitted by the respiratory acts: for this reason, it is considered appropriate to replace it after 2-3h.

As long as the operator does not perceive a decrease in adherence to the face due to the elastic strips are losing their resistance

The filtering capacity is standard and is not affected by the use of the mask: it can be kept for the whole day, even removing it or wearing it more times.

I don't know

16) Which sanitizing method can I use to make a surgical mask or a respirator mask reusable?

Although the American CDC has identified methods (UV-c rays - vapor - alcohol), ... *

... The Italian National Institute of Health (ISS) only recommends alcohol

... The Italian National Institute of Health (ISS) only recommends steam

... The Italian National Institute of Health (ISS) recommends the use of autoclave

The Italian National Institute of Health (ISS) does not consider as effective any sanitization method.

Surgical masks and respirator masks must be disposed after their use.

I don't know

Section 2: Attitude and behavior

In the following questions we will try to analyze what's your attitude and your behavior regarding the use of surgical masks or respirator masks.

Again we ask you to answer truthfully.

17) Have you ever thought of not knowing how to wear the surgical mask or the respirator mask in the appropriate way? *

No and nobody pointed this out to me

Yes, but I didn't know who to ask how to do it correctly

No, but someone pointed it out to me

Yes, and I asked an expert how to do it correctly

Yes, and I searched on internet how to do it correctly

18) Do you wear a mask when you are indoors with other people? *

Never

Yes, but only if it's mandatory

Yes, but only in the supermarket or grocery stores

Yes, always

19) Has it ever happened to you to remove the mask or the respirator mask despite having been asked to wear it? *

Never

Sometimes (less than 10% of occasions)

Often (more than 50% of occasions)

Always (100% of occasions)

20) Have you ever urged a colleague to wear a surgical mask or a respirator mask even if not required by the employer? *

Never

Sometimes (less than 25% of occasions)

Often (more than 50% of occasions)

Always (100% of occasions)

21) Do you believe that the obligation to wear a mask in enclosed places where there are also other people is: *

A necessary act to prevent infections

A gesture of respect towards the community

Duty to protect me and my family from the risk of contagion

Unjustified imposition

22) Do you think that wearing a surgical mask or a respirator mask is a measure *

Of primary importance

Useful if used rationally

Superfluous

Absolutely useless

Surname *

First name *

Age (number) *

Gender *

Male

Female

I prefer not to specify it

Marital status *

Free

Married

Education level *

Elementary

Middle School

High school diploma

Bachelor's

Master degree

PHD

Profession *

Logistics and trucking sector

Health

Beauty

Construction

Food and beverage

Administrative \ secretary

Others _____