

ZAŠČITNE MASKE

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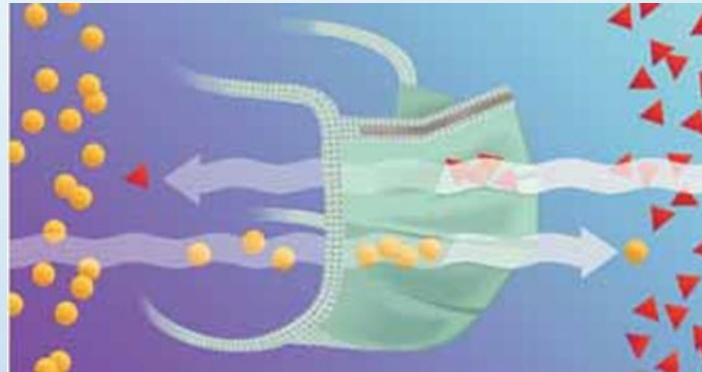
Sanolabor, d. d.

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ZAKAJ POTREBUJEMO MASKE?

Dvojna zaščita:

- zaščita **pacienta**
- zaščita **zdravstvenega osebja**



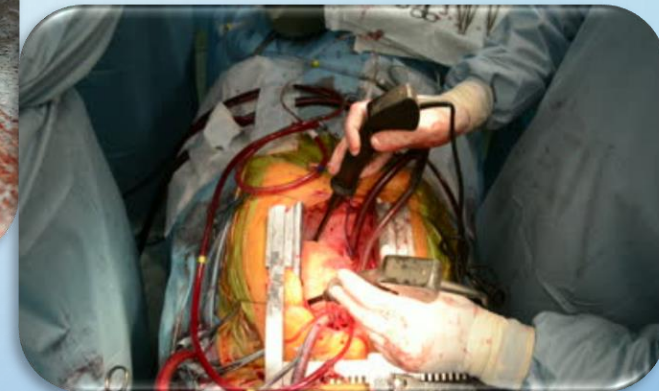
Samo 1 mili liter krvi lahko vsebuje?

- HIV virus **10 -10.000**
- HEPATITIS C virus **1 mio**
- HEPATITIS B virus **10 mio do 10 trilion**



- *Morgan, david R. Mission the point A review of needle stick injury and occupational risks from bloodborne viruses. Journal of american biological safety association. 2001

Vsakodnevna izpostavljenost nevarnim situacijam



REGULATIVA

- **EN14683-2014** medicinske maske in testne metode
- **ASTM F2100-11** standardna specifikacija za uporabo materialov medicinskih mask



REGULATIVA

ASTM 2100-11			
Medical Face Mask Material Requirements by Performance Level			
CHARACTERISTICS	LEVEL 1 Low	LEVEL 2 Medium	LEVEL 3 High
Bacterial Filtration Efficiency % (<i>BFE</i>)	≥ 95	≥98	≥98
Differential Pressure, <i>mm</i> <i>H₂O/cm²</i>	<4.0	<5.0	<5.0
Fluid Resistance <i>mmHg</i>	80	120	160
Particulate Filtration Efficiency % (<i>PFE</i>)	≥95	≥98	≥98
Flame Spread	Class 1	Class 1	Class 1

European Norm EN 14683			
CHARACTERISTICS	TYPE I	TYPE II	TYPE II R
Bacterial Filtration Efficiency % (<i>BFE</i>)	≥ 95	≥98	
Differential Pressure (<i>Pa/cm²</i>)	<29.4	<29.4	<49.0
Fluid Resistance (kPa)	None	None	≥16,0
Microbial cleanliness (cfu/g)	≤ 30	≤ 30	≤ 30

EN14683-2014

Test	Type I ^a	Type II	Type IIR
Bacterial filtration efficiency (BFE), (%)	≥ 95	≥ 98	≥ 98
Differential pressure (Pa/cm ²)	< 29,4	< 29,4	< 49,0
Splash resistance pressure (kPa)	Not required	Not required	≥ 16,0
Microbial cleanliness (cfu/g)	≤ 30	≤ 30	≤ 30

^a Type I medical face masks should only be used for patients and other persons to reduce the risk of spread of infections particularly in epidemic or pandemic situations. Type I masks are not intended for use by healthcare professionals in an operating room or in other medical settings with similar requirements.

PIRAMIDA UPORABE MASK



Maske odporne
na tekočino

• **Type IIR**



Maske ne-odporne na
tekočino

• **Type II**



Maske za bolnike

• **Type I**

DEFINIRANJE POTREB PRI UPORABI MASK

- 3 P'S -

- **Protection** – zaščita: Varnost je na prvem mestu! Uporabnik in bolnik morata biti ustrezno zaščiteni: **DVOJNA ZAŠČITA!**

Kakšna je nevarnost infekcij v zraku?

Ali je kontakt s telesnimi tekočinami?

Ali je potrebna zaščita oči?

Ali obstaja potencialna izpostavljenost laserskim žarkom ali kauterskim izpuhom?

- **Procedure** – postopek: **Kaj in Kje?**

Trajanje procesa?

Ali je postopek izpostavljanja tekočinam intenziven/visok riziko škropljenja/razpršitja?

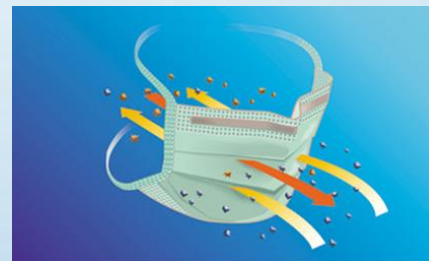
Upoštevanje ocene tveganja v zdravstveni ustanovi?

- **Personal comfort and preference** – udobje in prednosti: **Spodbujanje skladnosti.**

2 glavni stvari: mehkoča in dihanje


Iz kakšnega materiala je maska?

Ali se maska prilega na obraz?



NADEVANJE MASK

The worry-free solution...



...for proper instructions,
proper fit.

Surgical Solutions

Surgical Mask Donning and Removal

Surgical Mask Donning Instructions

- **Open The Mask**
Pull at the top and bottom to open the pleats or chamber.
- **Pre-Bend The Nosepiece**
- **Place The Mask On Your Face**
Place the mask on your face making sure to cover your nose.
- **Tie At The Head Crown**
Bring both top ties to the crown of your head and secure with a bow.
- **Tie At Nape Of Neck**
Tie bottom ties securely in a bow at the nape of your neck.
- **Contour The Nosepiece**
Once the mask is tied, press the malleable nose piece until a secure fit and good seal are achieved. This will reduce blow-by at the top of the mask.
- **Perform Security Check**
A properly tied mask can be tested by checking the security of the ties and the nosepiece, and checking for blow-by.

Blow-by = the amount of air that escapes from the top, bottom, or sides of the mask due to improper fit on the face. Blow-by is reduced when the mask is donned properly.

Surgical Mask Removal

- Remove the mask by handling only the ties.
- Untie the bottom, then the top tie.
- Remove the mask from your face.
- Properly dispose of the mask by touching only the ties.

ODSTRANJEVANJE KIRURŠKIH MASK

- Ko je maska enkrat nošena, se smatra, da je kontaminirana.
- Kontaminirana maska ne sme priti v stik z rokami uporabnika, masko iz obraza odstranimo le z dotikanjem trakcev oz. elastike.
- V smeti jo odvržemo tudi le z dotikanjem trakov.



RESPIRATORJI – ščitijo uporabnika od zunaj navznoter EN 149:2001 => stopnja zaščite pred prahom

- zaščita pred aerosoli (prah, spreji, vlakni...)
- ponujajo največjo stopnjo zaščite (ebola, mers, tbc...)
- 3 tipi (filtriranje delcev)

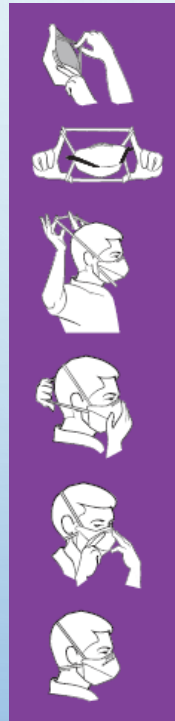
FFP1: nižja stopnja, učinkovitost 78%

FFP2: standardna stopnja, učinkovitost 92%

FFP3: visoka stopnja, učinkovitost 98%



RESPIRATORJI NADEVANJE & ODSTRANJEVANJE



KDAJ ZAMENJAMO MASKO?

- KIRURŠKE MASKE

4 ure

- RESPIRATORJI

8 ur

Hvala za pozornost 😊

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