

Returning to work at JVR Dental



COVID 19

MAKING INFECTION
CONTROL CHOICES

Presentation Outline

A DISCUSSION OVERVIEW



Before Dental Care
During Dental Care
After Dental Care



Before Dental Care



Patient screening
Office setup
Staff safety
Scheduling

PATIENT SCREENING



EMAIL FORMS

- COVID 19 SCREENING
- TREATMENT CONSENT
- PATIENT INSTRUCTIONS

PATIENT HAVE TO EMAIL IT BACK BEFORE THE APPOINTMENT


COVID-19 Screening Questions

Date: _____

Name (last name, first name) : _____

Date of Birth (mmddyy): _____

| Yes | No | COVID-19 Screening Question |
|-----|----|---|
| | | In the past 14 days, have you or any household member traveled to international area (China, Iran, Italy, Japan, South Korea, and any European country) or anywhere else? If so, please note location: _____ |
| | | In the past 14 days, have you or any household member had any contact with a known COVID-19 patient? |
| | | Have you or any household member have a history of exposure to COVID-19 biologic material? |
| | | Have you had any history of fever in the last 14 days? |
| | | Have you had any respiratory illness such as cough or difficulty breathing in the last 14 days? |
| | | Urgent Dental Need Question Do you have uncontrolled dental or oral pain, infection, swelling or bleeding or trauma to your mouth? |


JVR Dental
Dr Leana Lundt

(604) 371 3138 info@jvrdental.com #68 8880 202 street, Langley, BC, V1M 4A7

COVID-19 Emergency Dental Treatment Consent Form

I, _____, consent to have emergency dental treatment during the COVID-19 pandemic at this office. I have also been verbally informed of the risks.

- I confirm that I am not presenting with any of the following symptoms of COVID-19 listed below:
Fever Shortness of Breath
Dry Cough Runny Nose
Sore Throat Sudden loss of taste or smell

(Initial)
- I verify that I have not traveled outside USA in the past 14 days. And that I have been following the self-quarantine and social distancing guidelines for the past 14 days minimum. I also have not been exposed to a CORONAVIRUS positive patient in the last 14 days, to the best of my knowledge. _____
(Initial)

I understand that this office screens all patients and staff for possible COVID-19 infection per the current guidelines. However, carriers of the virus may be completely asymptomatic and still be contagious. Some may never develop full blown symptoms. Presently, it is impossible to determine who is an asymptomatic carrier. While this office strictly adheres to the OSHA/MSHA standards as they currently exist, Coronavirus is a new, highly contagious pathogen that can be transmitted to and from healthcare workers even under strictly followed OSHA/MSHA standards. This virus can be spread through droplets or contact. Additionally, certain Dental procedures create water mist (aerosol) which is one way the virus is spread. The aerosol and thus the virus can linger in the air for hours after certain dental procedures.

- I understand that due to other dental patients visiting the office and due to the characteristics of the virus and dental procedures, I have an elevated risk of contracting the virus simply by being in a dental office. _____
(Initial)
- I have been made aware of the CDC and ADA guidelines that under the current pandemic all dental visits should be limited to the treatment of pain, infection or conditions that significantly impair normal function of teeth and mouth. _____
(Initial)
- I confirm I am seeking treatment for a condition that meets these criteria. _____
(Initial)
- I understand the CDC recommends social distancing of at least 6 feet, and this is not possible when seeking dental care. _____
(Initial)

Signature _____ Date _____

Patient instructions:

- Drink hot liquids as much as possible this helps prevent mucous build-up.
- Sip warm water every 20 minutes.
- Wash your bed sheet the night before your dental appointment and put a clean towel on your pillow.
- Shower the morning of your appointment.
- Gargle with vinegar, salt, or lemon before leaving the house.
- Wash your hands for twenty seconds with soap and water every twenty minutes and do not touch your mouth or face.
- Use a clean cloth as a barrier when touching public door handles, knobs, etc...
- Wear only newly washed clothes on the day of the appointment. Go straight from your home to the dental office.
- Go straight home from dental appointment. When you arrive at home:
 - Go straight to the bathroom and have preferably a shower and if not a bath right away
 - Try to avoid touching anything before getting in the shower especially other people and pets
 - Whatever you do touch should be cleaned with a soapy cloth after your shower
 - When undressing put your clothes in a hamper or bag so they do not touch the floor or other items
 - After the shower rinse your mouth with mouthwash or salted water and then brush
 - Put on clean clothes and carefully take the hamper/bag of 'soiled' clothes to be washed (by themselves)
 - Wipe down the door handle, your shoes, and other items you touched when travelling from the door to the bathroom
- Do not smoke or vape.
- The virus passes from human to human, not animal to human. But if your pet comes into contact with the virus, they could be a passive carrier of it.
- Do your utmost to avoid getting the flu.
- Limit your intake of cold liquids especially if you have any discomfort in your throat.
- If your throat is even slightly sore follow the steps above closely. The virus can stay in the throat for three to four days before it enters the lungs. There may be a chance of killing the virus or at least minimising its impact on you by following these steps.

When you get to the office:

- Only one person allowed in the office. Please text the office (6043713138) once you are in the parking area. We will text you back when the room is ready for you to come in.

COMMUNICATION TO PATIENT ABOUT THE SCREENING PROCESS



- PATIENT WILL BE SCREENED IN THE OFFICE AGAIN.
- PATIENT TEMPERATURE WILL BE TAKEN.
- ONLY BOOKED PATIENT AND GUARDIAN WILL BE ALLOWED IN THE OFFICE.
- PATIENT WILL HAVE TO TEXT THE OFFICE WHEN THEY ARRIVE. WE WILL TEXT BACK WHEN THEY CAN COME INTO THE OFFICE.
- LIMIT THE USE OF CELLPHONES IN THE OFFICE.

WASH HANDS WHEN YOU ARRIVE

COMPLETE EMPLOYEE SCREENING

CUSTOM N95 PRINTED MASK,
KN95 OR HALF FACE RESPIRATOR

SAFETY GLASSES

HEAD COVER CAPS

FACESHIELD

GOWNS
Washable gowns

SHOE COVERS

A dark, grayscale background image showing medical equipment, including a stethoscope and a blood pressure cuff, resting on a surface.

**Safety for
staff**

EMPLOYEE SCREENING



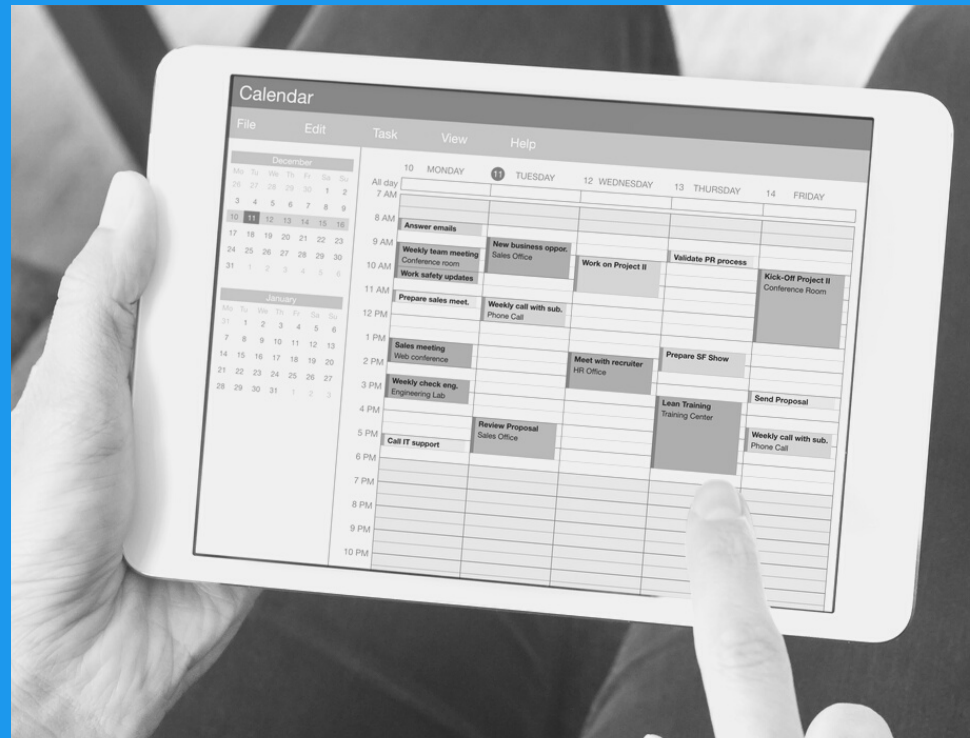
| DATE | NAME | TEMPERATURE <100.4°F | COUGH | NEW SHORTNESS OF BREATH | ASKED TO GO HOME (Note Time Dismissed) |
|----------------------|----------------------|-------------------------|--|--|--|
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes, Time: <input type="text"/> <input type="checkbox"/> No |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes, Time: <input type="text"/> <input type="checkbox"/> No |
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| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes, Time: <input type="text"/> <input type="checkbox"/> No |



OFFICE SETUP

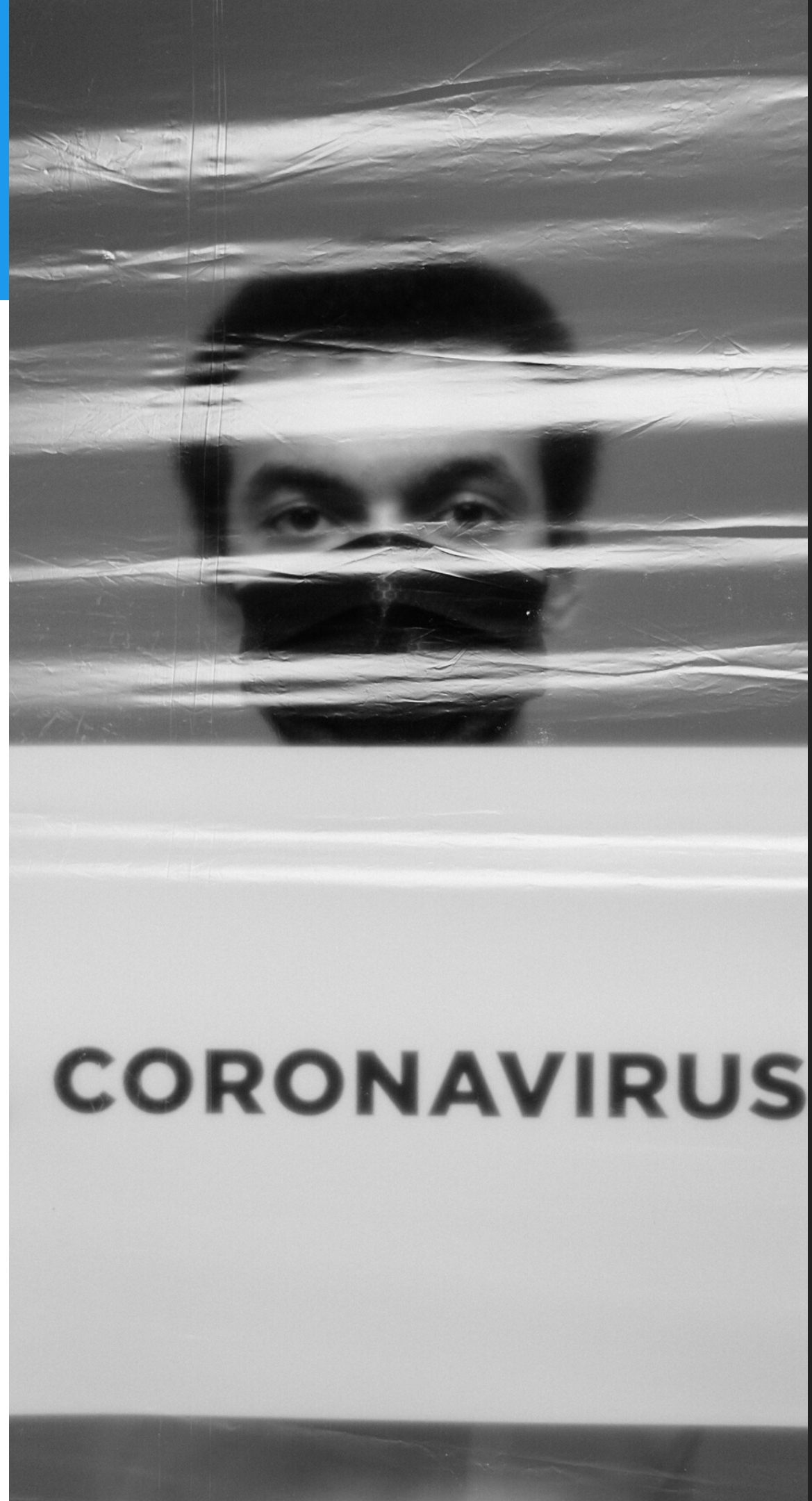
- Signage on door, reception and in ops
- Air purification systems with Germ defense filter, Carbon filter and Hepa filter
- Hypochloride mist and spray in office after each patient
- No magazines or coffee
- No seating in reception
- Kids can't take toys out of machines – have one ready to give to them

Scheduling



ONE PATIENT AT A TIME

Only one patient checking in and out at a time..
Extra time for consent forms and NP forms that will be
completed in the chair.
Prefer that they complete it at home and email it back




During Dental Care



Patient arrives
How does Covid spread?
How can we reduce aerosols?
Clinical procedures
Hand washing
Donning and Doffing
PPE do's and don'ts

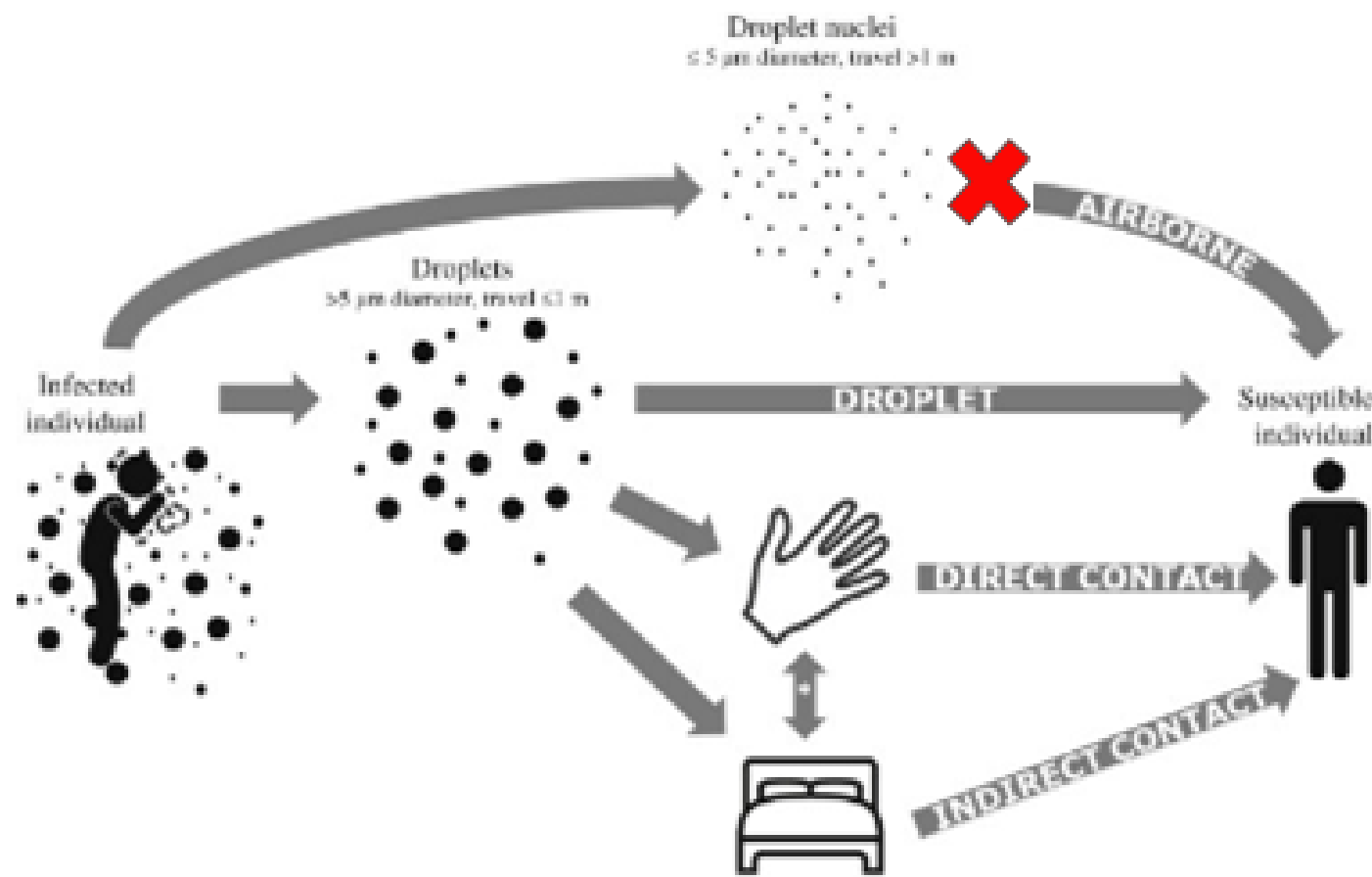
When patient arrives

- 
- **Patient text office from car**
 - **We will text when they can come in**
Only when there is no other patient in reception!
 - **If patient is sick - can't come in**
 - **Only one parent/guardian allowed**
 - **Patient go straight to op**
 - **Open and close door - don't let patient touch the door!**
 - **Patient wash hands**
 - **Patient rinse with hydrogen peroxide rinse**
 - **Take temperature**
 - **Fill out forms and sign consent**
 - **Wipe tablet and pen**
 - **Open cassette with instruments**





How does Coronavirus spread?



* Transmission routes involving a combination of hand & surface = indirect contact.

Corona Virus is
NOT airborne
but
can be
AEROSOLIZED

Direct Person-
to-Person
contact through
respiratory
droplets

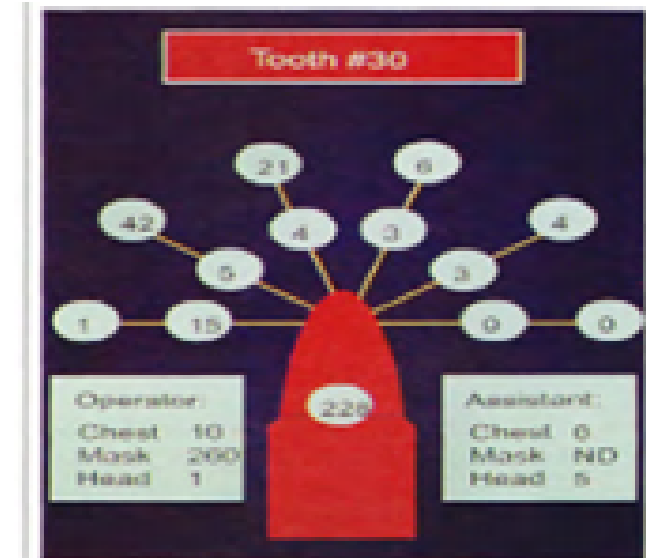
Person touching
contaminated
surface and then
touching their
eyes, nose or
mouth

Splatter and aerosol contamination during dental procedures

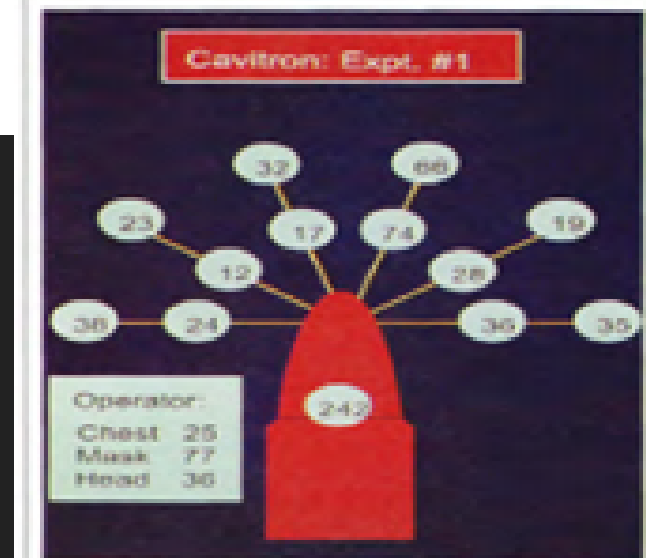


Figure 2. Distribution of culture plates in operatory during preparation of an upper right premolar.

1994 – TB study
Aerosol travels
mainly up and
vertical onto chest,
shoulders, face and
arms.



3a. Preparation of a mandibular right first molar.



3d. Ultrasonic scaling of a subject who did not brush or floss within 24 hours before appointment.

What can we do to reduce aerosols?



HIGH VOLUME SUCTION

Opposite high speed spray - reduce aerosols 90%



ISOLITE OR RUBBERDAM

This is NOT optional any more!



PRE-PROCEDURE RINSE

Hydrogen peroxide rinse for 1 min

COVID study in Wuhan

They took swabs of surfaces in ICU and the General Ward (GW) and tested for the Coronavirus

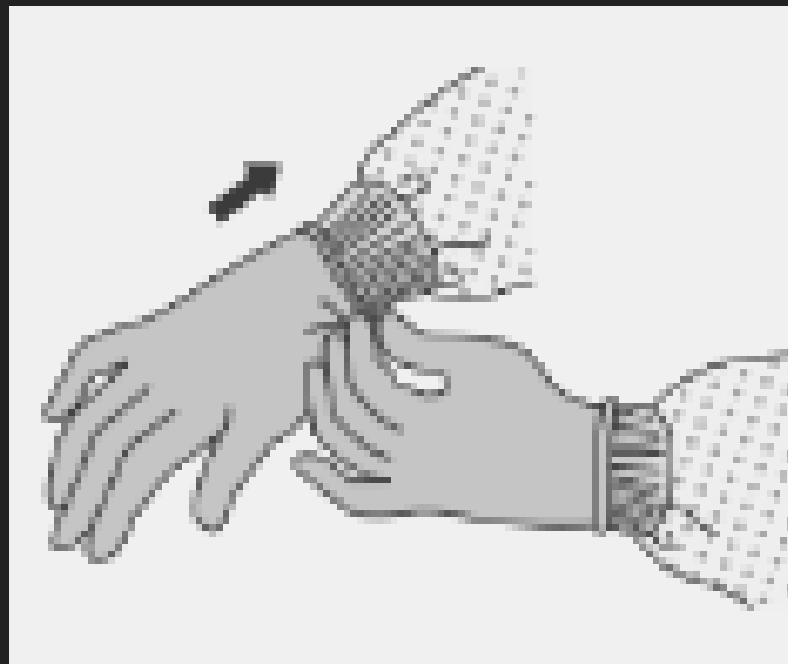
What did they find?

| Surface | COVID- ICU | General Ward |
|----------------|------------|--------------|
| Computer mouse | 75% | 20% |
| Trash Cans | 60% | 0% |
| Sleeve Cuff | 16.7% | 0% |
| Floor | 70% | 8.3% |

What's the Good News?

NO staff members at this hospital have been infected indicating the Appropriate Precautions Effectively Prevent Infection

What does this mean to us?



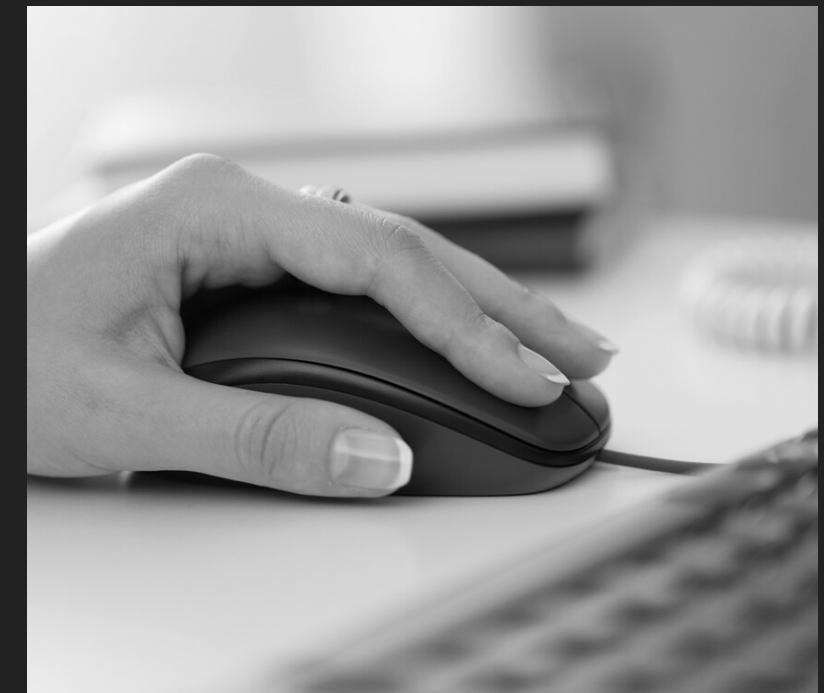
Wear your gloves OVER
your sleeve
cuffs



AFTER contact hand
hygiene every
time (when you take
your gloves OFF



The soles of shoes can
have pathogens on
them (Do NOT wipe
them, wear shoe
covers, leave shoes at
office)



Disinfecting ALL
surfaces in the
office is important,

Clinical procedures

AEROSOLIZED PROCEDURES

- When Highspeed Handpiece is used:
- Fillings, Crowns, RCTs, Pulpotomy
- Surgical Extractions with Surgical Handpiece
- Prophylaxis and scaling WITH the use of the piezo scaler

NON-AEROSOLIZED PROCEDURES

- Removable Prosth.
- Impressions
- Exams
- Hygiene with Hand Instruments Only
- Crown Seats (No Intraoral Adjustments)
- Simple Extractions
- Botox
- Ortho and Invisalign

★ If extra oral adjustments need to be made the removable partial/denture/crown can be sprayed with rubbing alcohol to first disinfect

Clinical procedures

AEROSOLIZED PPE

- KN95 or custom printed with N95 filter
- Face Shield
- Gown
- Gloves
- Goggles or Loupes
- Surgical Cap
- Foot covers – leave shoes at office

NON-AEROSOLIZED PPE

- Surgical Mask
- Face Shield
- Gown
- Gloves
- Goggles or Loupes

Hand washing



[HTTPS://WWW.YOUTUBE.COM/WATCH?V=IISGNBMFKVI](https://www.youtube.com/watch?v=IISGNBMFKVI)

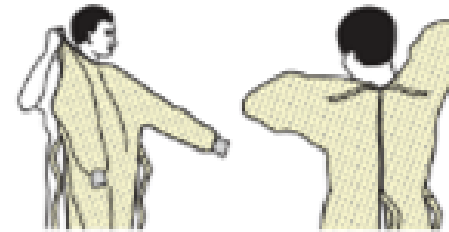
MOST IMPORTANT!! ALWAYS WASH YOUR HANDS!!

SEQUENCE FOR PUTTING ON PERSONAL PROTECTIVE EQUIPMENT (PPE)

The type of PPE used will vary based on the level of precautions required, such as standard and contact, droplet or airborne infection isolation precautions. The procedure for putting on and removing PPE should be tailored to the specific type of PPE.

1. GOWN

- Fully cover torso from neck to knees, arms to end of wrists, and wrap around the back
- Fasten in back of neck and waist



2. MASK OR RESPIRATOR

- Secure ties or elastic bands at middle of head and neck
- Fit flexible band to nose bridge
- Fit snug to face and below chin
- Fit-check respirator



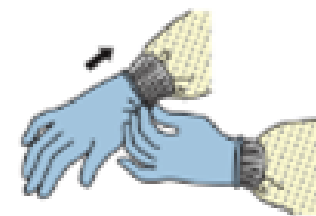
3. GOGGLES OR FACE SHIELD

- Place over face and eyes and adjust to fit



4. GLOVES

- Extend to cover wrist of isolation gown



USE SAFE WORK PRACTICES TO PROTECT YOURSELF AND LIMIT THE SPREAD OF CONTAMINATION

- Keep hands away from face
- Limit surfaces touched
- Change gloves when torn or heavily contaminated
- Perform hand hygiene

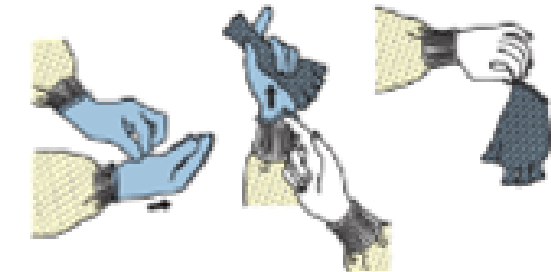


HOW TO SAFELY REMOVE PERSONAL PROTECTIVE EQUIPMENT (PPE) EXAMPLE 1

There are a variety of ways to safely remove PPE without contaminating your clothing, skin, or mucous membranes with potentially infectious materials. Here is one example. **Remove all PPE before exiting the patient room except a respirator, if worn. Remove the respirator after leaving the patient room and closing the door.** Remove PPE in the following sequence:

1. GLOVES

- Outside of gloves are contaminated!
- If your hands get contaminated during glove removal, immediately wash your hands or use an alcohol-based hand sanitizer
- Using a gloved hand, grasp the palm area of the other gloved hand and peel off first glove
- Hold removed glove in gloved hand
- Slide fingers of ungloved hand under remaining glove at wrist and peel off second glove over first glove
- Discard gloves in a waste container



2. GOGGLES OR FACE SHIELD

- Outside of goggles or face shield are contaminated!
- If your hands get contaminated during goggle or face shield removal, immediately wash your hands or use an alcohol-based hand sanitizer
- Remove goggles or face shield from the back by lifting head band or ear pieces
- If the item is reusable, place in designated receptacle for reprocessing. Otherwise, discard in a waste container



3. GOWN

- Gown front and sleeves are contaminated!
- If your hands get contaminated during gown removal, immediately wash your hands or use an alcohol-based hand sanitizer
- Unfasten gown ties, taking care that sleeves don't contact your body when reaching for ties
- Pull gown away from neck and shoulders, touching inside of gown only
- Turn gown inside out
- Fold or roll into a bundle and discard in a waste container

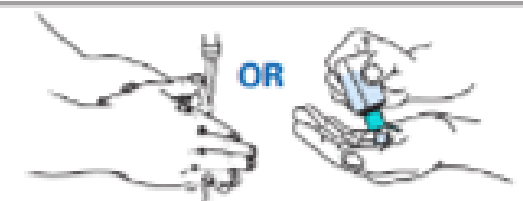


4. MASK OR RESPIRATOR

- Front of mask/respirator is contaminated — DO NOT TOUCH!
- If your hands get contaminated during mask/respirator removal, immediately wash your hands or use an alcohol-based hand sanitizer
- Grasp bottom ties or elastics of the mask/respirator, then the ones at the top, and remove without touching the front
- Discard in a waste container



5. WASH HANDS OR USE AN ALCOHOL-BASED HAND SANITIZER IMMEDIATELY AFTER REMOVING ALL PPE




PERFORM HAND HYGIENE BETWEEN STEPS IF HANDS BECOME CONTAMINATED AND IMMEDIATELY AFTER REMOVING ALL PPE



[HTTPS://WWW.YOUTUBE.COM/WATCH?V=84CYDMUHxD8](https://www.youtube.com/watch?v=84CYDMUHxD8)

PPE do's and don'ts

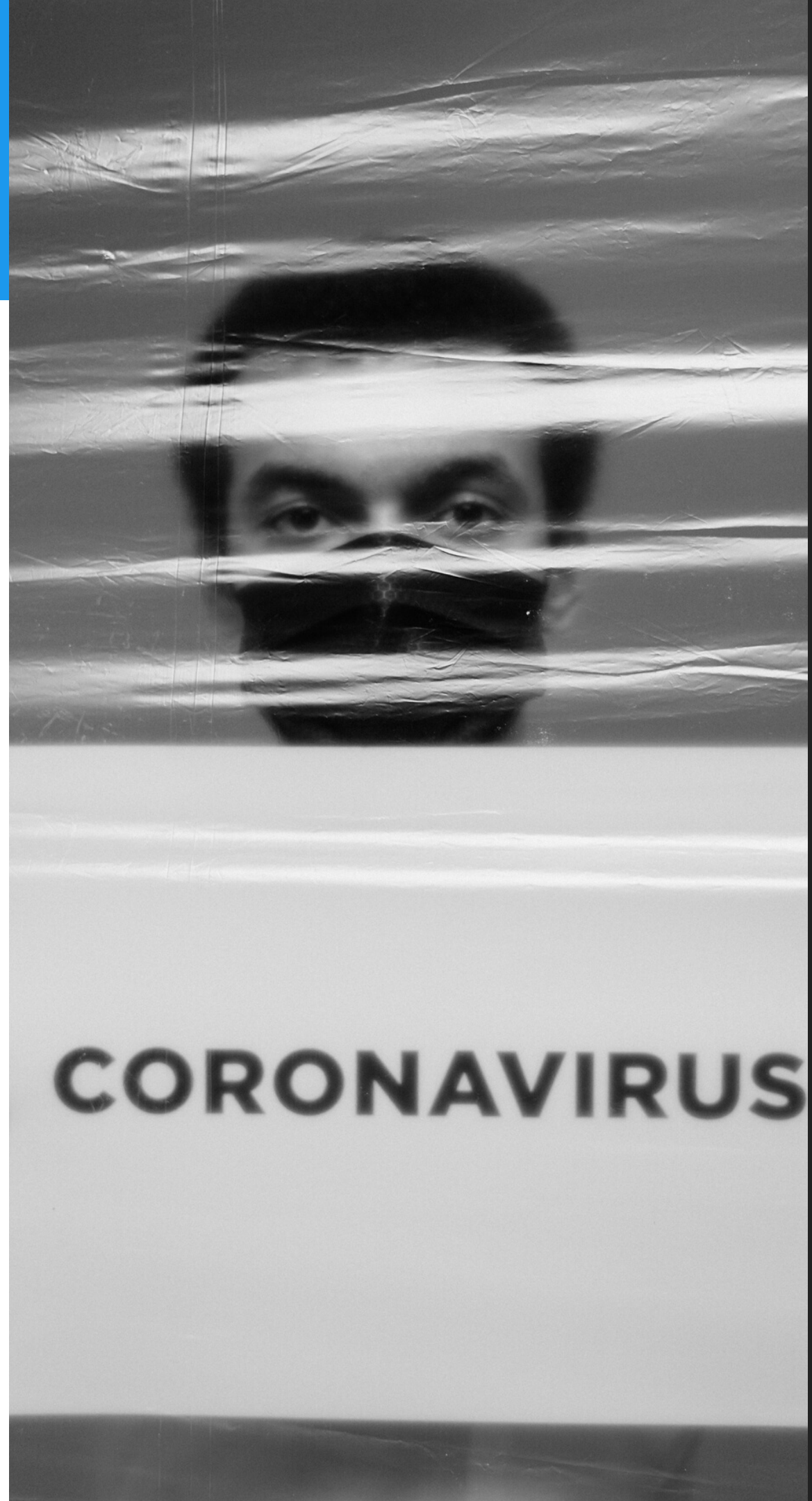
- 
- EVERY clinical staff member must wash their hands with soap upon seating the patient
Sanitizer is for in between gloving or after the procedure
 - Gloves over cuffs
 - When you take off your gloves you MUST hand sanitize or wash your hands again
 - Don't wear mask below chin or nose
 - Do NOT touch the front of the mask to adjust
 - Only touch mask by elastic (with clean hands)
 - No PPE is to be worn at the front desk - stand at the glass door to communicate with reception
 - No PPE that has been in an aerosolized procedure should leave the room
 - No leaving the room with gloves on (Exception - carrying dirty instruments)



After Dental Care



Checking out
In between patients
End of work day





CHECKING OUT

- Make sure there is no-one in reception
- Take patient out – don't let them touch the door!
- Hand off patient
- Patient pay – wipe down card machine
- Hand sanitizer for patient
- Give patient the pen if they had to sign a claim form
- Patient leave
- Hand sanitizer after each patient
- Post-op instructions should include a reminder to report any signs or symptoms of COVID-19 within next 14 days.
- Spray door with hypochloric acid

In between patients



CLEAN PPE WITH SOAP AND WATER

Goggles and loupes

Faceshield

BARRIERS

Wrap mouse, keyboard, light handles and curing light

ROUTINE CLEANING AND DISINFECTION

Hasn't changed

Use mask (level 1), gloves and face shield

STERILIZATION

Cassettes from Dirty → Clean

Sterilization



FLOW: DIRTY -----> CLEAN

DIRTY SIDE: (Always wear gloves and mask level 1)
Ultrasonic → Rinse in Sink → Dishwasher → Package and Seal → Load Autoclave → Wipe down

CLEAN SIDE: (Always wear gloves and mask level 1)
Unload Autoclave → Do NOT Open Instrument Packages

End of work day

REMOVE GOWN AND CLOTHES

Put it in dissolvable washbag and tie it up.

Put in back of your car.

Wash when you get home on warmest cycle.

SHOES

Leave shoes at the office!

MASK

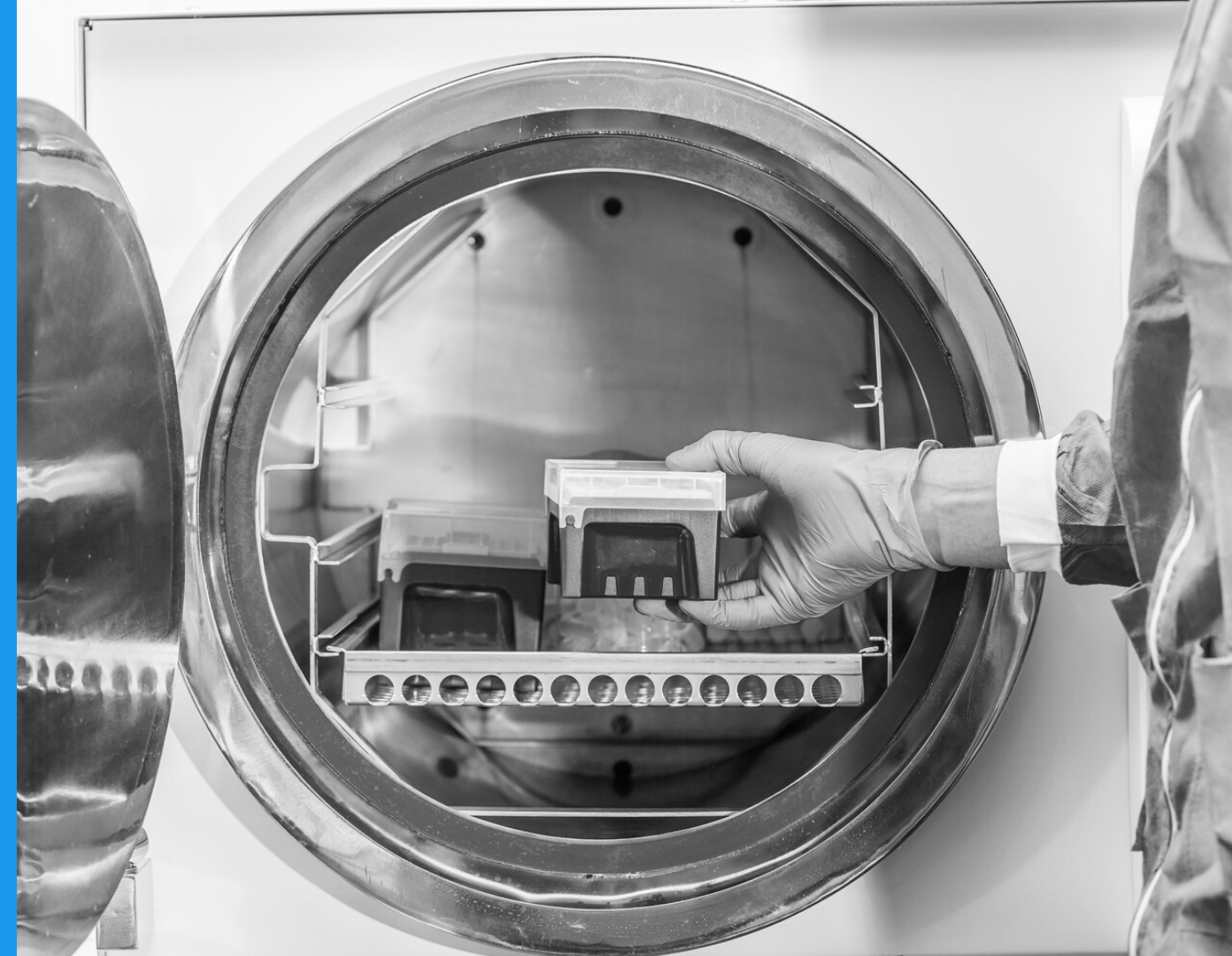
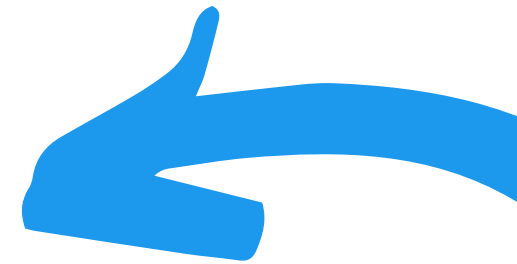
Filter goes in brown bag to dry for 5 days. (Name on bag)
One bag per day, one mask per day

FACE SHIELD AND GOGGLES

Wash with soap and water and let it dry.

OTHER OFFICE PROTECTIVE STRATEGIES

- Only one person in sterilization at a time.
- Only one person in staff room at a time.
- Don't come to work sick.
- Notify us if you have been in contact with someone that has Covid.
- Don't touch your face, eyes or mouth!



References



CDC guidelines

ADA return to work toolkit

<https://www.cdc.gov/coronavirus/2019-ncov/faq.html#How-COVID-19-Spreads>

[https://jada.ada.org/article/S0002-8177\(94\)55023-2/pdf](https://jada.ada.org/article/S0002-8177(94)55023-2/pdf)

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<https://www.who.int/news-room/commentaries/detail/modes-of-transmission-of-virus-causing-covid-19-implications-for-ipc-precaution-recommendations>

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4868605/>

