Coronavirus Management for Ortho Practices

Jackie Dorst, RDH, BS

• SARS-CoV-2
• Enveloped Virus
• Incubation period 3 – 7 days
• Contagious for 14 days
• Transmission – Aerosols, Fluids, Respiratory
• Infectivity – High
• Immunity – none and no vaccine
• Symptoms – fever, shortness of breath, cough, fatigue & lower respiratory tract illness

Risk of Infection - Adults

• Median age 59
• 1/3 to 1/2 have underlying illness
  Fever 83–98%
  Cough 46–83%
  Shortness of Breath 31%
• Median age for critically ill is 66

COVID-19

• 80% Mild
• 15% Significant respiratory illness
• 5% Critically ill

COVID-19 Precautions

1. Cover Cough & Sneeze
2. Wash your hands
3. Don’t touch T-Zone
4. Stay home if you are sick
5. Stay healthy

©2020 Jackie Dorst
Standard Precautions integrate and expand the elements of *universal precautions* into a standard of care designed to protect HCP and patients from pathogens that can be spread by blood or any other body fluid, excretion, or secretion. Standard precautions apply to contact with 1) blood; 2) all body fluids, secretions, and excretions (except sweat), regardless of whether they contain blood; 3) nonintact skin; and mucous membranes.

1. **Minimize Chance of Exposure**
   - Close the office

**Standard Precautions**

1. Hand Hygiene
2. PPE
3. Respiratory Hygiene
4. Sharps Safety
5. Safe Injection Practices
6. Sterile Instruments & Devices
7. Clean & Disinfect Surfaces
Email - Closing
To do our part to stop the spread of COVID-19 and because we are in a high exposure risk setting, Parks Orthodontics will be closed Monday, March 16th-Friday, March 20th in accordance with Governor Northam’s mandated school closure. We will be working virtually and our team will be ready to answer your questions by phone and text. If you have an appointment during this time, a Parks Orthodontics team member will contact you. If you receive and appointment reminder during this time, please disregard as we work to update our system. We value not only your dental health, but the overall health of our patients, staff, and families. We will continue to monitor the situation closely and evaluate additional measures as necessary. Our team remains dedicated to serving you every day with the same commitment to our values you’ve come to know. Thank you for helping to protect our patients, our families, and our community from COVID-19 and other viruses. Should you have any questions, please feel free to contact us by phone or text at 757-874-6655.

Social Media Post
COVID-19 CLOSURE
As you all know things are changing not only daily but hourly. I’ve been trying to absorb as much information I can in order to make the best decisions for my office and for my patients. If we accept that social distancing is the best thing we can do as a community to lessen the impact of this virus and ensure the most people stay healthy then it is a heavy and possibly the hardest office I have ever had to close for the next 3 weeks. No matter how much I love my environment, I cannot better social distancing with a flyer and clinic full of people. As of now we will be closed through March 29th and will adjust as required. If you are having an orthodontist emergency that is causing you significant discomfort or have trouble reaching your retainer, please call the office. My cell phone is always on the answering machine and my voicemail is full. We will return your call and together find a plan to take care of you.

1. Minimize Chance of Exposure – continue to see patients
   - Before appointment – patient reminders ask about fever/illness
   - Patient Arrival
     - Ask
       - Sign, Tissues, ABHR, Trash Can, Masks
       - Disposable thermometers
   - Segregate – parent waits in car
   - Triage quickly
   - Patient comfort package – wax, dots
   - Patient take photo and send with text message

Front Desk - Reception
1. Front desk
   - Sign
   - Tissues/trash can
   - ABHR
   - Masks for coughing patients
   - Separate ‘sick’ area
2. Educate team on IC measures during infectious patient care

Infectious Patients

Cough Etiquette

©2020 Jackie Dorst
2. Adhere to Standard, Transmission & Airborne Precautions

- Patient Placement
- Hand Hygiene
- PPE
- Caution when performing aerosol procedures
- Disinfectant kills Corona Virus – correct technique

Hand Hygiene

SOAP

ABHR

“My Girl” Temptations

PPE – personal protective equipment

- Gown / Jacket
- Mask
- Glasses
- Gloves
- Utility Gloves

Caution with aerosols

- Handpiece use
- Prophy jet
- Use HVE
- Level 3 mask

<table>
<thead>
<tr>
<th>TABLE 2. American Society for Testing and Materials Standards (ASTM) Levels</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM Level 1 Low Protection</td>
</tr>
<tr>
<td>Blood resistance</td>
</tr>
<tr>
<td>Bacterial filtration efficiency</td>
</tr>
<tr>
<td>Particulate filtration efficiency at 0.1 Micron</td>
</tr>
<tr>
<td>Delta P resistance vs2</td>
</tr>
<tr>
<td>Harm elements</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>
FDA response

- Emergency Use Authorization
- All disposable filtering facepiece respirators (FFRs) approved by the National Institute for Occupational Safety and Health – NIOSH
- Passed the manufacturers’ recommended shelf-life for use in healthcare settings by healthcare personnel

Clinical Contact Surfaces

Disinfectant

- Clean
- Disinfect - kill
- EPA Registered
- Intermediate

Disinfectant Chemicals

- Phenols
- Chlorines
- Iodophors
- Quats
- Accelerated Hydrogen Peroxides

EPA Registered Hospital Level Disinfectant

- FDA cleared barrier
- Touch pads, scanner
- Clean & disinfect between patients

Technology Equipment - Barriers
3. Manage Visitor Access
   • Sign on front door
   • No Family in treatment area
   • Disinfect public area (check-in screen, ipads, games)

4. Implement Engineering Controls
   • No Fans
   • Barriers on touch screens

5. Monitor & Manage Ortho Team
   • Take Temperatures
   • Sick Leave Policy
   • Non-Punitive
   • Flexible
   • Time off bank
   • Insurance?

OSHA

6. Train & Educate Ortho Team
• COVID-19 Facts not Rumors
• Empower Front Desk Team
• Proper use of PPE

7. Environmental Infection Control
• Equipment Cleaned & Disinfected
• Consistent (everyone does the same thing)
• Manufacturer’s IFU’s
• Instruments packaged & sterilized (CDC)

8. Establish Reporting & Communication
• Team members - Email & Text updates
• Patients – Email, Text & Social Media
• Schools
• Health Department

Stigma
• Maintain Privacy
• Quickly communicate the risk or lack of risk from associations with products, people and places
• Raise awareness of COVID-19 without increasing fear
• Share accurate information about how the disease spreads
• Speak against negative behaviors
• Thank healthcare workers & responders
• Share the need for social support for impacted people
Cybersecurity Risks

- Avoid clicking on unsolicited emails and be wary of attachments
- Do not reveal personal or financial information in emails
- Review the Federal Trade Commission blog post on Coronavirus scams for information on avoiding COVID-19 related scams
- Use Trusted resources – legitimate government websites – CDC, FDA, EPA, OSAP, State Health Department, Local Health Department

Thank you!

Jackie Dorst
949-842-1747
SafePract@gmail.com
www.JackieDorst.com

© 2020 Jackie Dorst