1 INFECTION CONTROL 2 Hours CE By Nancy Dewhirst, RDH,BS 2 TOP 5 SAFETY GOALS • Have a plan • Written Safety Program Assign a person Safety Manager • Identify the enemy Recognize & Understand Risks • Keep everyone safe • Implement Standard Precautions • Plan B • Plan for exceptions and accidents **3** MUST POST IN OFFICE: Appendix 3 Dental Board of California Infection Control Regulations California Code of Regulations Title 16 Section §1005 Minimum Standards for Infection Control All DHCP must comply & follow OSHA laws (b) (1-3) 4 NEW CDC RECOMMENDATIONS http://www.cdc.gov/OralHealth/infectioncontrol/quidelines/index.htm Checklists! To be used along with 2003 Infection Control Recommendations 5 WHO'S THE OFFICE SAFETY MANAGER? 6 UPDATE & EDIT YOUR IC PLAN • Injury & Illness Prevention Program • OSHA manual Standard Operating Procedures (SOP's) = written step-by-step plans • Location? Training?

Instructions for Use & SDS book
Must be specific & accurate
Surface disinfection

Hand hygieneInstrument processingDental waterlines
 THE GOOD OLD DAYS No gloves No masks "cold sterilization" One handpiece for all Wiping room with 2 x 2 & alcohol
8 CHAIN OF INFECTION
9 BREAKING THE CHAIN WITH STANDARD PRECAUTIONS
STANDARD PRECAUTIONS MINIMUM STANDARDS FOR ALL PATIENTS • Hand hygiene • PPE • Respiratory hygiene / cough etiquette • Sharps safety • Safe injections • Instrument, device sterilization • Environmental asepsis cleaning, disinfection, barriers
 STANDARD PRECAUTIONS Proven effective for controlling Bloodborne diseases Contact diseases Droplet diseases Not effective for airborne diseases
12 MOST LIKELY DENTAL EXPOSURES
 Percutaneous Needles Burs Instruments, files Compromised skin Mucosal exposure HBV = efficiently transmitted directly & indirectly (survives on surfaces – 7 days) Other pathogens (ex: HCV) can remain infectious on surfaces – 1 month
13 HEPATITIS B

1 1980 - 2013 2 Incidence declined since 1991 (infant vaccinations) 3 2015 CDC Report 4 • At least 21% increase in acute HBV cases • Due to injected drug use • Grossly under-reported • Chronic cases also under-reported • 850,000 – 2.2 mil cases??? 14 HEPATITIS B VIRUS (HBV) • "Carrier" = chronically infected & infectious • PEP: vaccination must be offered (even if pre-vaccinated) 15 HBV TREATMENT / VACCINES Vaccine = non-infectious HBsAq • 95% seroconvert after vaccination • Vaccine gives immunologic memory > 25 years • No boosters? – retain immunological memory indefinitely, protects vs. clinical illness & chronic dis. • PEP = vaccine - best within 24 hrs. • HBIG may also help as PEP • Boosters may be needed for immunocompromised pts & hemodialysis pts. • TX = antiviral drugs - IMPROVED 16 HEPATITIS C (HCV) • Most common chronic bloodborne infection in U.S. • 2.7 – 3.9 million Americans have chronic HCV • 4 X more than either HBV or HIV • Most chronic HCV carriers are baby boomers • Born 1946 - 1964 • ~75% = unaware of infection 17 HEPATITIS C (HCV) • Some people clear infection • 85% develop chronic HCV • Can result in chronic liver disease, cirrhosis, liver cancer, death • Subclinical, undiagnosed, asymptomatic 10 – 20 years • No vaccine

HCV-related oral ulcerative lesions

18 NEW TESTING REC'S

- Traditional high risk people
- •1 time test for all baby boomers regardless of risk
 - 60% of DDS's = born 1945 1965
- New Rapid (40 min.) antibody tests
 - Venipuncture, finger-stick (less reliable)
 - OraQuick
 - Detect past or present HCV infection
 - Must be followed up with nucleic acid test (NAT) for viral RNA

19 WHY SHOULD YOU GET TESTED FOR HEPATITIS C (HCV)?

- Antiviral drugs:
 - Eliminate virus or lower viral load
 - May reduce complications & progression
- Some types of HCV can be cured

20 HIV UPDATE

- 35 years since CDC first identified HIV
- NO cases of patient to dental worker HIV transmission
- No vaccine, but vital antiretroviral meds cut transmission to partners by 96%

21 HIV / AIDS

- 20% of infected = unaware of status
- Must be tested to get treated!
- PrEP (Pre-Exposure Prophylaxis)
 - Truvada (tenofovir & emtricitabine)
 - 92% effective IF TAKEN CONSISTENTLY
- Safe practices still needed
- Education is key

22 HIV / AIDS - CURRENT STRATEGIES

- Rapid HIV type 1 + 2 Test: OraQuick:
 - Mouth swab or blood test
 - 99% accurate, 1 min. result
 - For source person testing or gen. Screening
 - Pre-arrange with Occupational Health M. D.

23 SAFE RE-CAPPING

- Only recap needles using:
 - Scoop technique or:
 - Mechanical devices designed to
 - hold needle sheath
 - eliminate need for 2 handed capping
- §1005 (b) (9)

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24 SHARPS & WASTE • Follow OSHA rules • Dispose of all sharp items in puncture resistant containers • Dispose of pharmaceutical waste as per EPA • Dispose of contaminated solid waste as per EPA §1005 (b) (9, 22) 25 POST EXPOSURE PROPHYLAXIS • Exposure packet • Phone numbers, forms, driving directions, payment arrangements • Direct MD re: testing, disclosure, include HCV! • Rapid HIV, HCV testing • Response windows for maximum effect: • HIV - ART - 2 hours • HBV - 24 hours • HCV - 24 hours • PEP follow-up: after exposure test 3-6 weeks, 3-6 months, 9 months Counseling 26 ARE YOU SET UP? 27 HAND HYGIENE Hand hygiene is the single most important factor in transmission of disease • 88% of dis. Trans. Is by hand contact • 'Resident' skin flora is permanent (IN skin) 'Transient' flora is temporary (ON skin) 28 HOW LONG SHOULD YOU LATHER FOR FIRST & LAST WASH OF THE DAY? A. 20 seconds B. 40 seconds C. 5 minutes D. 1 minute 29 HOW LONG SHOULD YOU LATHER WHILE WASHING REPEATEDLY DURING DAY? A. 1 minute B. 15 seconds C. 20 seconds D. 30 seconds

30 MOST RECOMMENDED: COMBINED PROTOCOL 1 • Plain soap – routine handwashing 2 • Antimicrobial / alcohol hand rub on unsoiled hands 31 HOW LONG SHOULD THE ALCOHOL SANITIZER STAY WET ON YOUR HANDS? • 5 seconds • 8 seconds • 15 seconds • 20 seconds 32 WATERLESS HAND-RUB SAFETY • Should have ethanol, not isopropyl alcohol • Less drying to skin • More effective vs. Viruses • Must have enough emollients for heavy clinical use • FDA cleared for medical use 33 COMMON MISTAKES (THAT HARBOR ORGANISMS & **MAY DAMAGE GLOVES)** • False nails, Nail polish & applications • Un-manicured nails Jewelry • Petroleum-based products 34 COMPROMISED SKIN • Non-intact skin may allow pathogens, irritants, allergens to enter • May NOT treat pts. or handle pt. care items until dermatitis resolves • §1005 (b) (7) 35 HAND HYGIENE • Required B4 & after glove use • Why do we wash / sanitize every glove change? • Organisms grow under gloves, doubling every 12 min. §1005 (b) (8) 36 SHE RUBBED HER EYE Ocular herpes is usually unilateral • May migrate up nerve from oral infection. • Recurs, leading to blindness • 90% of U.S. adults carry herpes

• Neonates contract type 2 at birth

37 GLOVES • How do they fit? • Are you allergic or sensitive? • Latex? • Accelerators? Thiuram Carbamate • Do you trust your gloves? •4% may leak • Buy quality 38 HOW LONG DO GLOVES LAST? 2 • No exact data • Change per patient & when compromised • No longer than 1 hour §1005 (b) (8) 39 RESPECT GLOVE LIMITS WHAT DESTROYS GLOVES? • Oils – petroleum, others • Dental materials, water, soap, chemicals, stretching, use! 40 2016 FDA BAN ON POWDERED GLOVES • Rule applies to: All glove types • Exam & surgical gloves Absorbable powder for lubricating surgical gloves • Powder risks: • Increased aerosolized allergens (with latex gloves) Severe airway inflammation • Surgical & wound inflammation & post-surgical adhesions 41 AEROSOL-TRANSMITTED-DISEASES (ATD) Inhalation of suspended particles • Small fluid droplets dry in nano-seconds, float • Particles remain indefinitely • Require special building design & PPE for safety ATD patients must be screened and referred 42 AIRBORNE DISEASES • Measles, mumps

 Varicella (including disseminated zoster) [¥]
• Tuberculosis ¥£, Flu, pertussis, pneumonia
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* requires >1 precaution ^f See CDC TB Guidelines
43 SCREENING FOR ACTIVE CASES LOOK FOR SYMPTOMS
Goals = reduce transmission by:
• Early detection @ check-in
Prompt isolation
• Implement respiratory hygiene / cough etiquette
• Defer elective TX
• Refer emergency / acute cases
• For dental emergencies
• For medical care
Implement appropriate precautions
• •
• Cal OSHA Title 8, Ch 4
• Section 5199 Aerosol Transmissible Diseases.
California-only regulation.
44 FIND THE 1 INCORRECT SIGN OF INFLUENZA
A. Abrupt onset
B. Extreme fatigue
C. Body aches
D.Subnormal temp.
E. Fever
45 INFLUENZA SIGNS & SYMPTOMS
• Fever & chills – sudden onset
• Cough
• Sore throat
Intense body aches, skin sensitivity
• Headache
 Diarrhea, vomiting
46
47 MEASIES – SERIOUS & SPREADING

- Leading cause of death in children (worldwide)
- 10-12 day incubation
- High fever (1 wk), runny nose, cough, white spots in mouth: precede rash

48 KOPLIK SPOTS

49 VIOLENT "PAROXYSMS"

- Uncontrollable "100 day cough"
- Breaks ribs, causes vomiting, urination....
- Etiology: bacterium Bordetella pertussis
- Strips cilia, mucus stagnates, airways = raw, sensitive to touch, air, water...
- Confused with cold, symptoms build
- light fever

50 SCARLET FEVER (SCARLATINA)

- Caused by Gp A Streptococcus pyogenes (strep throat)
- Mostly children 5 15
- Antibiotics
- Untreated: may cause serious illness, rheumatic fever, kidney damage
- # of cases & deaths decreased since early 1900's
- Recent increase in cases. Cause unknown
- East Asia, England @ 50 year high
- Droplet & contact transmission

51 SCARLET FEVER

- Red rash: looks like sunburn, feels like sandpaper
 - Begins on face, neck, spreads everywhere
 - Redness blanches
 - · Later skin peels

52 SCARLET FEVER

• Red lines at skin folds

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53 SCARLET FEVER

• Flushed face, pale ring around mouth

54 SCARLET FEVER

Strawberry tongue or coated

55 SCARLET FEVER

- Fever > 101 degrees
- Lymphadenopathy
- Difficulty swallowing
- Nausea, vomiting
- Headache

56 MAKE SURE YOU ARE PROTECTED! 1 • HBV • HAV • Influenza

- Measles
- Mumps
- Rubella
- Varicella-Zoster
- Polio
- _
- www.CDC.gov: new adult vaccine recs
- OSHA policies:
 - New hires & employees

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- 2 Tetanus, diphtheria
 - Pertussis
 - Pneumonia
 - Meningitis
 - HPV

57 TUBERCULOSIS POLICY

- MDR TB = worldwide risk
- Develop TB program appropriate to risk
- Tuberculin skin test (TST) when hired & per risk
- Ask all pts:
 - History of TB?
- · Look for active cases of TB

58 SCREEN FOR ACTIVE TB:

- Productive cough (> 3 weeks)
 - Bloody sputum
- Night sweats
- Fatigue
- Malaise
- Fever
- Unexplained weight loss
- If yes: medical referral, (reportable)
- Look for symptomatic patients

59 SKIN TEST FOR TB: MYCOBACTERIUM TUBERCULOSIS

- Mtb infection is NOT synonymous with ACTIVE TB!
- Positive skin test does NOT mean ACTIVE TB!

60 IF YOU WERE VACCINATED AGAINST TB – BLOOD TEST: • TB blood tests (interferon-gamma release assays or IGRAs), unlike the TB skin test are not affected by prior BCG vaccination Also: Symptom tests ATD screening form • Chest X-ray? 61 TB, FLU & OTHER ATD'S ASK: DO YOU HAVE.... 1 • TB • Fever, cough.... • Flu • Fever? • Body aches? • Runny nose? Sore throat? • Headache? • Nausea? Vomiting or diarrhea? If yes, re-appoint, refer 2 • Pertussis, measles, mumps, rubella, chicken pox, meningitis • Fever, respiratory symptoms + Severe coughing spasms • Painful, swollen glands Skin rash, blisters • Stiff neck, mental changes 62 CHRONIC RESPIRATORY DISEASES (NOT ATD'S, NO FEVER) • Asthma Allergies • Chronic upper airway cough syndrome "postnasal drip" • Gastroesophageal reflux disease (GERD) • Chronic obstructive pulmonary disease (COPD) • Emphysema • Bronchitis Dry cough from ACE inhibitors 63 RESPIRATORY HYGIENE, COUGH ETIQUETTE **POST SIGNS** • Cover your cough (lists symptoms patients should report to staff)

	 http://www.cdc.gov/ncidod/dhqp/pdf/Infdis/RespiratoryPoster.pdf Cover your cough instructions and fliers in several languages
	• http://www.cdc.gov/flu/protect/covercough.htm
54	 DENTAL WORKER HEALTH Symptomatic workers must be evaluated promptly No work until: MD rules out ATD or Worker is on therapy & is noninfectious
65 <u> </u>	PPE: SURGICAL MASKS
	 Designed to protect patient from: Oral, nasal, respiratory tract flora (Breathing, speaking 1-3 cfu / min) Masks are bi-directional barriers
56	MASKS "SINGLE-USE, DISPOSABLE" CHANGE BETWEEN PATIENTS OR SOONER \$1005 (B) (4)
57	IDENTIFY THE MASK YOU USE A. ASTM level 1 B. ASTM level 2 C. ASTM level 3 D. Don't know
58	ASTM LEVELS
59	 KNOW MASK LIMITS Mask degrades from; Perspiration Talking Sneezing Length of time mask is worn Dust, spray Shield may lengthen use-life Position mask to "stand out" from face 20 min - 1 hour!
70	DOES LASER DENTISTRY REQUIRE SPECIAL MASK SELECTION?
	A. Yes B. No C. But recommendations vary for dentistry
,,	But recommendations vary for dentistry
71	• N95 / N100 respirators

• Or: full face shield & level 3 mask • Facial fit = vital Fluid resistance • Suction / filtration placed 1" from site • Eye protection 72 CLINIC ATTIRE • Protective attire • Comply with Cal/OSHA regs §1005 (b) (5) 73 2 SAFETY GOALS • PPE: Masks • Select appropriate ASTM levels Use correctly • Avoid cross-contamination Know limits! • PPE = outer garment • Cal/OSHA rules 74 OPERATORY ASEPSIS 1 Strategies 2 • Simplify surfaces • Load trays outside operatories • Barriers • Surface disinfection 75 BARRIERS PREVENT CONTAMINATION OF HARD-TO-CLEAN SURFACES 76 DISINFECT WHEN CHANGE BARRIERS? 77 USE FDA CLEARED MEDICAL GRADE BARRIERS (TESTED FOR VIRAL & BACTERIAL PENETRATION) 78 INTERMEDIATE LEVEL DISINFECTANTS **VS. LOW LEVEL DISINFECTANTS** Intermediate-Level Disinfectants kill: • Mycobacteria - Mycobacterium tuberculosis • Nonlipid or small viruses (Non enveloped) - Polio virus, enteroviruses • Fungi - Trichophyton spp. (Low level hospital disinfectants kill only): • Vegetative bacteria - Pseudomonas aeruginosa, Staphylococcus aureus

	• Lipid (enveloped) or medium-sized viruses - Herpes simplex virus, hepatitis A, B & C virus, HIV, Ebola (CDC) §1005 (b) (14)
79	 FOLLOW LABEL DIRECTIONS Clean before disinfecting Proteins neutralize disinfectants Wear Utility gloves
80	ARE YOU CLEANING BEFORE DISINFECTING??? It depends on technique And product selection
81	EFFECTS OF ALCOHOL CONCENTRATION
82	WHAT IS THE ACTIVE INGREDIENT? WHICH PRODUCTS CLEAN?
83	LEAVE FOR STATED TIME
84	MAKE ITEMS SAFE TO USE AND RE-USE
85	IF YOU DON'T CLEAN ITYou can't disinfect itYou can't sterilize it
86	SINGLE-USE DISPOSABLES
87	 CDC & CALIF. REG: Must heat sterilize ALL removable handpieces, even slow speeds *electric handpieces: housing / sleeves = sterilizable, but micromotors may not be!
88	INSTRUMENT PROCESSING: HIGHEST LEVEL OF ASEPSIS
89 🔲	INSTRUMENT PROCESSING "TRAFFIC FLOW"
90	 HOW DO YOU TRANSPORT? Protect Sharps Cassettes Tubs, trays with slides, lids Avoid accidents Use Cassettes / tubs / lids <l> </l>
91	SAFE TRANSPORT?
92	PRE-CLEANING / HOLDING
93	ENZYME PREVENTS DEBRIS ADHERENCE

94	ULTRASONIC CLEANING ALLOW BUBBLES TO WORK
95	
96	INSTRUMENT WASHERSMore efficient:
	Space managementInstrument cleaningInstrument management
	•
97	CASSETTE DESIGN
1 2	Ultrasonic Insufficient time Detergent concentration Ineffective cavitation Inappropriate temperature Overloading Washer-Disinfector Wrong cycle ("rinse-hold") Inadequate water spray: spray impingement Clogged spray arms Pump/line clog or malfunction Overloading MONITORS HELP VISUALIZE SOIL REMOVAL
	NON-TOXIC SYNTHETIC BLOOD/DEBRIS
	HOLDER ↓
100	CHECK ULTRASONICS OR WASHERS
101	ONLY SCRUB IF DEBRIS REMAINS AFTER CLEANING
102	PAPER UP? OR, PAPER DOWN?
103	WET WRAPS WICK & TEAR
104	VACUUM STERILIZER
	Single use water Pre & post vacuum Dry to dry time: 35-38 min.

Eliminates rust 105 STERILIZER MONITORING • Indicators: per package Heat • Class 5 indicators: per load or pack • Time, temperature, pressure • Biological Monitors: weekly • Non - pathogenic spores • Keep written reports §1005 (b) (17) 106 CLASS 5 CHEMICAL INDICATORS 107 2 STERILIZATION LOGS •1: Log of each cycle for each sterilizer • Class 5 Indicator strip results Sterilizer • Date • Indicator pass/fail Initial Machine print-out • 2: Biological test results 108 ARE YOU LABELING STERILIZATION PACKAGES? A. Yes B. No C. Only surgical packages D.Only implantable devices E. E. * Sharpee industrial permanent markers withstand 500 degrees 109 WHY LABEL PACKAGES? A. To re-sterilize after 3 months B. To identify date of sterilization in case of (+) growth spore test C. To identify person sterilizing items 110 WHERE DO YOU LABEL? 111 DENTAL WATER QUALITY 112 DUWL - RELATED DEATH (2011) **LANCET** • 82-yr old Italian Woman • Legionnaires' dis (L. pneumophila)

- Proven from dentist's waterlines
- No other exposures

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113 2015 MYCOBACTERIUM ABSCESSUS INFECTIONS - GEORGIA

- 9 pediatric infections confirmed after pulpotomies
 - 11 more probable cases
- July Sept, 2015, One dental office
- M. abscessus = waterborne
 - Water
 - Soil
 - Dust
 - Plumbing
 - Dental waterlines
- Other outbreaks: medical, acupuncture, surgical clinics

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114 2015 MYCOBACTERIUM ABSCESSUS INFECTIONS - GEORGIA

- All pts were immunocompetent
- No deaths; hospitalizations, IV antibiotics, surgeries
- Dept. of Health notified Atlanta Dentists:
 - Follow DUWL disinfection protocol
 - Meet DUWL potable & surgical standards
 - Monitor DUWL
 - Promptly report suspected outbreaks

115 2016 MYCOBACTERIUM ABSCESSUS INFECTIONS – ANAHEIM, CALIFORNIA

- >54 pediatric infections confirmed after pulpotomies, children hospitalized
 - Children developed cellulitis
 - Symptoms: persistent fever, swelling does not respond to TX.
 - Symptoms start 15 85 days after TX.
 - TX = long term hospitalization, IV antibiotics
 - >500 patients notified
- M. abscessus = waterborne
- Dentist ordered to stop using water (9/15/16)

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116 N. A. MORALES, AFTER 1 MO. HOSPITALIZATION

117 2016 MYCOBACTERIUM ABSCESSUS

INFECTIONS - CALIFORNIA

- Pulpotomies must include pulp area "sterilization"
- And/or sterile standard
- Health Dept. ordered office to cease use of & replace on-site water system
- All DUWL must be tested
 - www.ochealthinfo.com/dentaloutbreak

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118 2 STANDARDS FOR WATER SAFETY

- Sterile for surgery, (cutting bone, normally sterile tissue)
 - 0 CFU/mL of heterotrophic water bacteria
 - CDC special update, OSAP, Dental Board law
- Potable for non-surgical procedures -
 - 500 CFU/mL of heterotrophic water bacteria (meets EPA safe drinking water standards)
 - CDC, OSAP, EPA, Dental Board

119 2 STANDARDS

FOR DENTAL TREATMENT WATER

- Surgical Standard: USP sterile water & sterile delivery system
 - Bulb or other syringe
 - Peristaltic pump, sterile lines
 - Aqua-Sept
 - http://www.cdc.gov/oralhealth/infectioncontrol/questions/oral-surgical-procedures.html
- Non-surgical dentistry: Potable (500 CFU/mL)
 - Chemical treatment
 - Reservoirs
 - Cartridges

§1005 (b) (18)

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120 WHEN DOING SURGICAL PROCEDURES, DO YOU USE

Sterile water & sterile separate delivery device? §1005 (b) (18)

121 FOR POTABLE WATER YOUR OFFICE SHOULD:

A. Flush lines in AM & PM for 2 min./line

- B. Flush lines between patients for 20 sec.
- C. Purge lines weekly if using only water in bottles.
- D. Purge lines @ 1 2 months if using disinfecting product in dental water

122 WATERLINE TREATMENT OPTIONS

- Chemical "Shock" removes biofilm
 - Sterilex, bleach
 - Caustic, may injure tissue. Rinse!
- Continuous chemical "maintenance" prevents biofilm, keeps CFU's low.
 - DentaPure 1 /year (dry bottle at night)
 - BluTab (Silver ions) ProEdge (keep bottle on)
 - ICX (Silver ions) Adec
 - Team Vista HuFriedy

123 HOW DO YOU KNOW YOUR WATERLINES ARE SAFE?

- Loma Linda University Waterline Testing
- ProEdge Waterline Testing

124 TREAT, SHOCK, AND TEST ALL WATERLINES

125 TOP (GENERAL) SAFETY GOALS

- Written Safety Program
- Safety Manager
- Recognize & Understand Risks
- Implement Standard Precautions
- Plan for exceptions and accidents

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126 TOP 3 SAFETY GOALS

- 1. Written Safety Program
 - OSHA manual personalize & update it
 - Enforce it
 - IC laws
 - Download CDC recommendations!
 - Instructions for use, operation manuals....
- 2. Safety Manager
- 3. Recognize & Understand Risks

127 TOP SAFETY GOALS

- 4. Hand Hygiene
 - Calibrate staff
 - Technique
 - Hand care rules
 - Supplies & set-up
 - Products
 - Facility
- 5. Surface asepsis
 - Follow directions
 - Clean & disinfect
 - Barriers

128 TOP SAFETY GOAL

6. PPE - Use correctly & respect their limits

- Gloves
 - Select for fit, reliability
 - Change 20 min 1 hr.
- Masks
 - Select appropriate ASTM levels
 - Avoid cross-contamination
 - Change 20 min 1 hr.

129 TOP SAFETY GOALS

- 7. Vaccines
 - Educate staff (CDC.gov)
- 8. Sharps safety
 - Handling & waste
- 9. Instrument sterilization
 - Organize sterilization pathway
 - Instrument cassettes
 - Instrument washer
 - Monitor cleaning
 - Use class 5 indicators
 - Keep logs

130 TOP SAFETY GOALS

- 10. Dental waterline management
- Insure sterile water for surgeries
- Insure potable standard for non-surgeries
- Control waterline contamination
- Monitor waterline safety

131 TOP SAFETY GOALS

- 11. Screen patients for active ATD's
 - Take temperatures
 - Know symptoms
- Notify patients & staff about ATD policy
- TB policy: test staff

• Respiratory hygiene, cough etiquette

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132 TOP SAFETY GOALS

- 12. PEP "Plan B"
 - Exposure incident package
 - Records
 - Follow-up
 - Stay alert for extraordinary cases

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133 IS THERE A CULTURE OF SAFETY WHERE YOU WORK?

- Action list?
- Is your team know what you know?
- How do patients view your office?
- Make every patient visit the safest visit!
- 134 WHAT YOU DO OVER & OVER
- 135 TEAMWORK!