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Objectives Review Concussion Guidelines Current Heat Rules SafeSport Pre Event Time-outs EAP Lightning

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Concussion— Berlin Updated Best Practices ScATS, Child ScAT S, and Concussion Recognition Tool ScATS - 13 and older, provides immediate and post -event evaluation Usefulness decreases after 5 days Components with good validity and Reliability: - Symptom Scale - Standardized Assessment of Concussion (SAC) - Balance Error Scoring System (BESS)

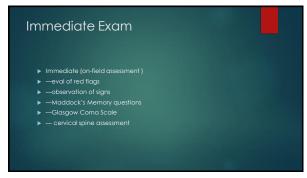
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➤ Sport Related Concussion (SRC) Is a traumatic brain injury induced by biomechanical forces. Common features are direct blow to head,face, neck or elsewhere on the body with impulsive force transmitted to the head. Resulting in rapid onset of short lived impairment of neurological function that resolves spontaneously. Functional disturbance rather than structural injury Wide range of clinical signs and symptoms usually without LOC.

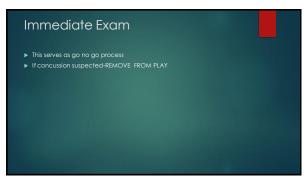
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First step—Identify Confusion Vacant look Amnesia Clutching the head Slow to get up Facial injury or suspected fracture Behavioral change

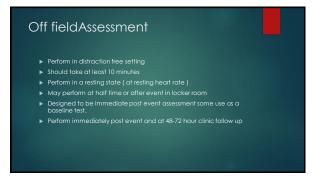




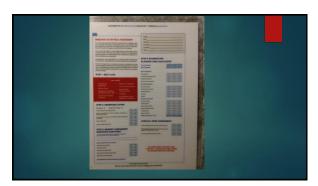
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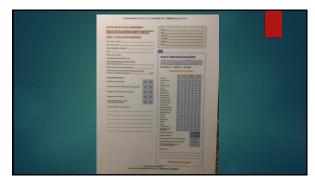


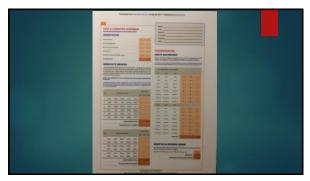




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Baseline Neurocognitive Testing Helpful Not necessary If performing question always is whom to test... All or high contact sports ImPACT is a major tool in the states Requires training to interpret or neuropsychologist on your staff REMEMBER IT IS JUST ANOTHER TOOL FOR YOU TO USE TO DETERMINE SAFE RETURN TO PLAY

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New day two of Return to Play When symptom free in concussion protocol Day Two (light aerobic exercise) of GRTP WAS: Is minute stationary bike ride followed by 1 mile jog at < 70 % max heart rate. NOW: Move 1 mile jog to following step

Re-evaluate History and detailed neuro exam to include: Mental status Cognitive functioning Sleep/wake disturbances Ocular function Vestibular function Gait and balance Current clinical status Need for neuroimaging

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Rehabilitation Early interventions no literature as most recover in 10-14 days Persistent symptoms benefit from psychological, cervical and vestibular rehab Monitored activity should be sub-symptom threshold, submaximal exercise

Refer Persistent post -concussive symptoms Persisting Beyond: Adults— 10-14 days Children —> 4 weeks Less of role for pharmacotherapy— if placed on it must be off it and symptom free prior of start of RETURN TO PLAY Slick to: Symptom limited exercise Targeted PT CBT

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Pollow state law PA ACT 101 - Safety in Youth Sports Act Graduated return to play Nonpublic and public schools need adhere Not limited to grades 7 - 12 BIAPA MODEL POLICY Brainsteps Have parents sign HIPPA that provider treating concussion may speak with the school!

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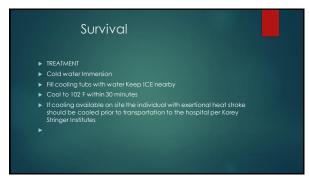




Exertional Heat Stroke PREVENTION: Hydration Body Cooling Work to Rest Ratios—WBGT Acclimatization Education

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Exertional Heat Stroke Survival RECOGNITION HEADACHE DIZINESS NAUSEA Signs of CNS Dysfunction Body temp 104 F-RECTAL TEMPis the only viable field option to assess body temp in an exercising individual





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Lightning Develop Evacuation Plan / Safe Areas A School Bus Suspend play when: Thunder is heard or lightning is seen 30 minute rule Hearing or seeing takes precedence over mobile apps or detection devices—10 mile rule Pregame or practice determine Who makes the call to suspend play.......

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