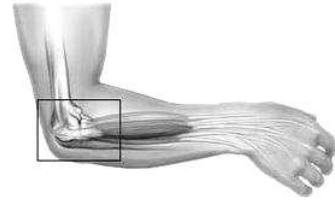


ELBOW INJURY PREVENTION

“Tennis Elbow” and “Golfer’s Elbow” are common terms for soft tissue inflammation disorders of the elbow. The medical terms typically used for these disorders are lateral and medial epicondylitis respectively. Each day we use the muscles and tendons that originate at the elbow to perform various upper extremity tasks. The physical stress and strain to the elbow muscles and tendons can produce microscopic wear and fatigue to these tendons and muscles. This is completely normal. As long as the amount of fatigue is lower than the body’s ability to recover, the elbow soft tissues will remain healthy. But too much strain and fatigue, coupled with too little repair, can lead to an inflammation disorder of the elbow.



LIFESTYLE CAUSES:

- **Dehydration:** Healthy muscles are comprised of at least 70% water. Dehydration causes muscle fatigue, strain, tendonitis, and other disorders of the movement system. Soda pop is not water, it’s liquid junk.
- **Poor Nutrition:** Eating too many “empty” calories that don’t contain the nutrients our body needs is a primary cause of injuries and disorders of the movement system. Tobacco contains toxins that increase inflammation.
- **Inflammation:** Inflammation causes many lifestyle-related disorders, including heart disease and movement system disorders. Too much sugar and fat within our diet can contribute to inflammation.
- **Fatigue:** Adequate amounts of rest and sleep are very important ingredients for our health.
- **Poor Fitness:** Poor levels of physical fitness increases the risk of disease and injury.

Prevention is a **shared** responsibility! The company is responsible for a safe work environment and procedures, and all workplace athletes are responsible for using their body properly and keeping their body fit for work.



Ergonomics is about working smarter! An ergonomics improvement process is part of management’s commitment to maximize efficiency and to limit worker fatigue and discomfort.

Proper warm-up & body mechanics will reduce daily fatigue and give you more energy left over at the end of the day! We are ALL athletes in life, so we need to warm-up like athletes to improve our performance and to reduce risk of injury. We should also plan to work smarter... not harder! Proper body mechanics should always be used to avoid excessive fatigue and injury.



Drinking plenty of water is one of the most important things you can do for your health! Healthy muscles are comprised of at least 70% water. Dehydration of the muscles and tendons is a primary cause of muscle fatigue, strain, tendonitis, and other disorders of the movement system. How much water do you need every day? Your Body Weight ÷ 2 = # oz. of water per day (Example: 160 pounds ÷ 2 = 80 oz. of water per day)

Healthy eating is one of the most important weapons that we have to fight against injury and illness. The foods we choose to eat determine what our bodies look like on the outside and how well our body functions on the inside. Eat fewer “empty” calories from dead foods, and eat more calories from living foods. Living foods include fruit, vegetables, nuts, and seeds. Living foods are harvested. Dead foods are processed and not good for you.



Adequate amounts of **rest and sleep** are very important ingredients for our health. When we don’t get enough sleep, increased release of stress hormones raises the level of inflammation in the body. If rest and sleep deficits persist, we become more vulnerable to injuries and chronic diseases. Sleep experts generally agree that most adults require between 6.5-9 hours of sleep each day to maintain optimal health and safety.

We need to maintain our **physical fitness** levels to prevent injuries and illness. There’s a correlation between poor levels of physical fitness and increased risk of disease and injury. The lower the level of fitness, the higher the risk of injury. Four types of exercise for your fitness plan: 1) Aerobic or cardiovascular exercise, 2) strength training, 3) stretching exercise, and 4) relaxation exercise.



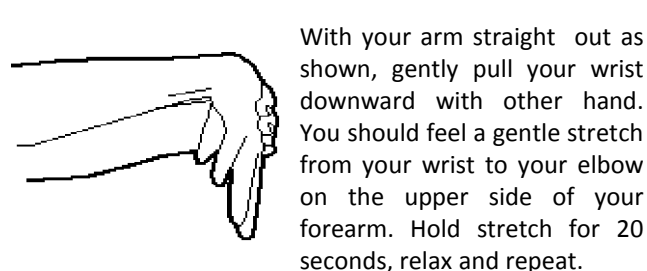
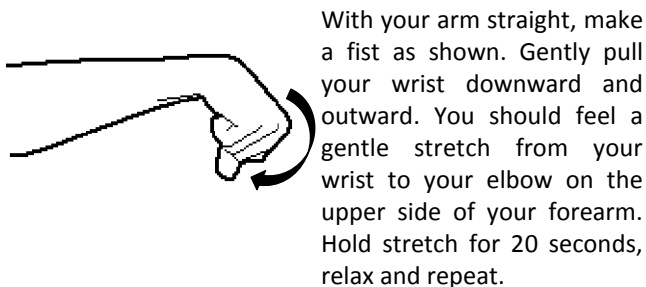
Workplace athletes can use **ice or cold therapy** to control fatigue and soreness after activity. Ice application should be between 15 to 20 minutes applied directly onto the skin of the affected area. An initial aching will be felt when the ice is on the skin. After 5 minutes, this should go away as the ice takes effect. Ice is a great anti-inflammatory! Never use heat after activity.

Vitamin & mineral supplements are not a substitute for healthy eating, but they can fill in the gaps and help combat fatigue and inflammation. Experts recommend three daily supplements: 1) a quality multivitamin and mineral supplement, 2) a vitamin D supplement with calcium and magnesium, and 3) omega-3 fatty acids

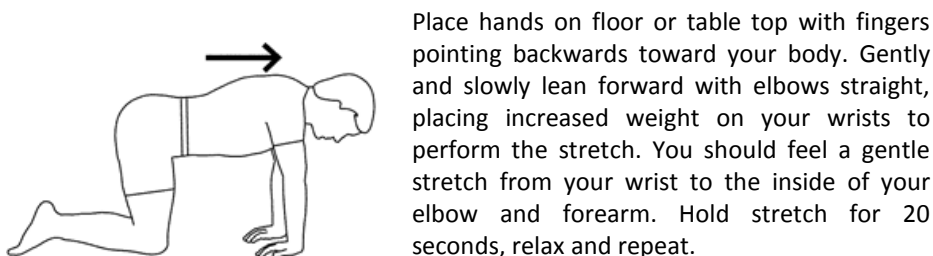
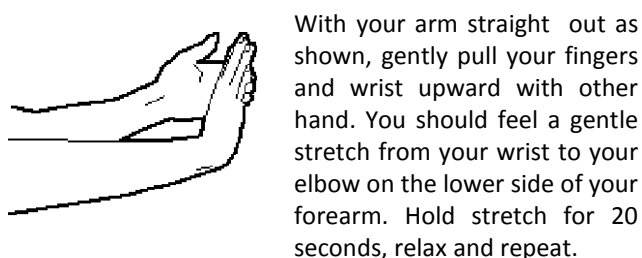
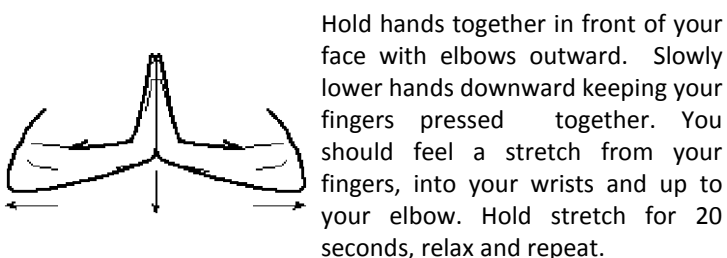


ELBOW INJURY PREVENTION

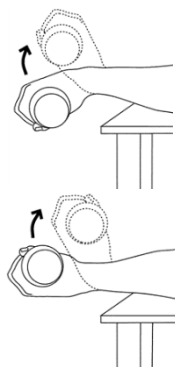
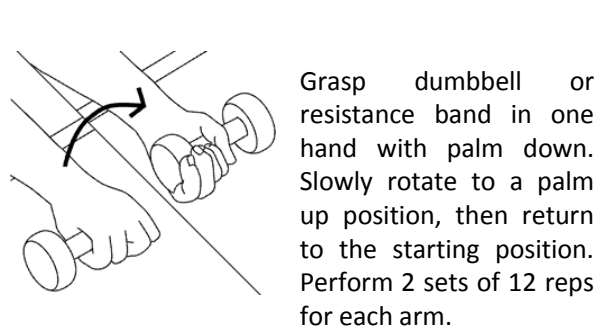
LATERAL ELBOW STRETCHING EXERCISES: Perform 3-5 times per day



MEDIAL ELBOW STRETCHING EXERCISES: Perform 3-5 times per day



FITNESS EXERCISES: Perform 2-3 times per week



This handout is general injury and illness prevention educational information and is not medical advice. If the employee requires medical attention, a competent health care provider should be consulted. Although every precaution has been taken in the preparation of this information, no liability is assumed for injury, personally or otherwise resulting from the use of information contained herein.