



Carpal Tunnel Syndrome

- There are six occupational risk factors for CTS:
 - Exertion of force over 1 kg (2.2lbs)
 - Duration of the shortest wrist operation greater than 10 seconds
 - · Lack of a change in tasks
 - · Lack of breaks for at least 15% of the day
 - Manual supply of parts and equipment to workstations
 - · Lack of job rotation

FPST-3213



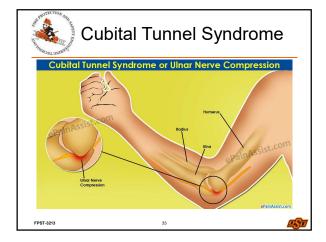
Cubital Tunnel Syndrome

- Compression of the ulnar nerve below the notch of the elbow
- Common causes
 - Resting elbow on a hard surface
 - Reaching over obstructions
 - Keeping the elbow bent for a long time can stretch the nerve behind the elbow
 - · Common during sleep

FPST-3213

32



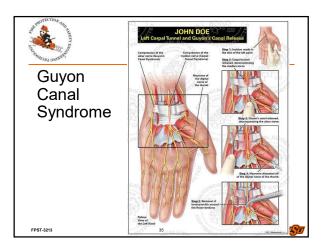


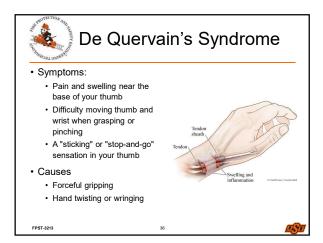


Guyon Canal Syndrome

- Entrapment of the ulnar nerve as it passes through the wrist
- Common causes
 - · Prolonged extension and flexion of the wrist
 - Repeated pressure on the palm
- Common Tasks
 - · Playing musical instruments
 - Bricklaying
 - Use of pliers
 - Hammering
 - Soldiering

FPST-3213







De Quervain's Syndrome

- Common Tasks
 - Buffing, grinding, polishing, sanding, pushing, pressing, sawing, tool use, turning controls







Trigger Finger

- Symptoms:
 - Finger stiffness, particularly in the morning
 - A popping or clicking sensation as you move your finger
 Tenderness or a bump (nodule) in the palm at the base of the affected finger

 - Finger catching or locking in a bent position, which suddenly pops straight
- Common Tasks

 - Trigger operated tools
 Hand tools with sharp edges
 - Handles too far apart





FPST-3213



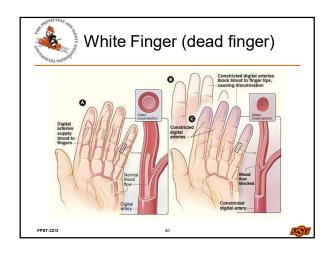


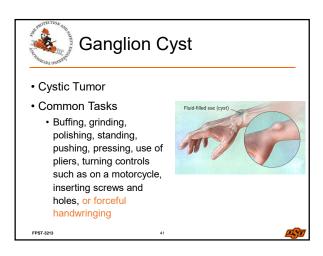
White Finger (Raynaud's Disease)

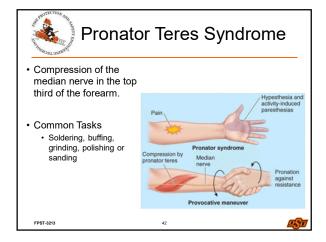
- · Results from closure of digit arteries caused by vaspospasms by vibration
- Common Tasks
 - · Chain Saws, jackhammering, vibrating tools, too small tools, working in the cold.



FPST 3213 13





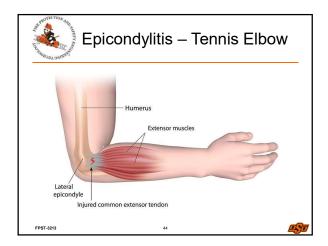


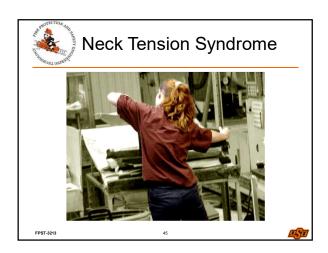


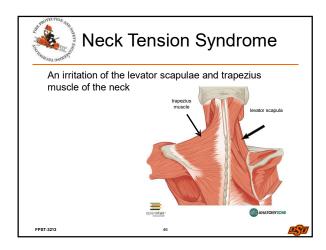
Epicondylitis – Tennis Elbow

- Symptoms
 - Pain or burning on the outer part of your elbow
 - Weak grip strength that
- Common Tasks
 - Turning screws
 - Small parts assembly
 - Hammering
 - Meat cutting
 - Playing musical instruments
 - Playing tennis, pitching, bowling

FPST-3213









Neck Tension Syndrome

- Symptoms
 - Headache
 - Fatigue
 - Aching discomfort at the back of the neck and the upper back.
 - Spasms in the neck and dull pain in the upper arm, elbow, forearm and hands

FPST-3213

47

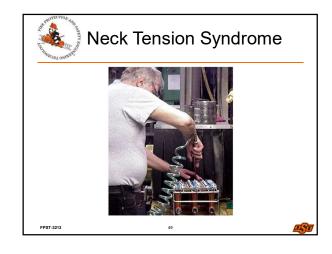




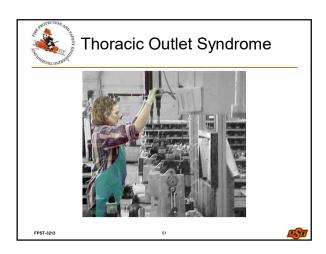
Neck Tension Syndrome

- Causes
 - Computer mouse more than 25 hours per week
 - Localized muscle fatigue due to repetitive motion or static, sustained contraction
 - · Lack of oxygen supply
- Common Tasks
 - Conveyor belt assembly, computer use, small part assembly, packing, load carrying in hands or on shoulder, overhead work, cashiers.

FPST-3213

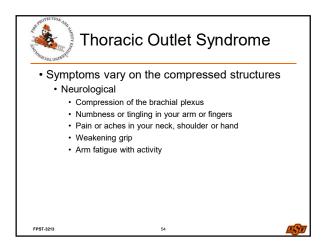














Thoracic Outlet Syndrome

- Vascular
 - Veins or arteries are compressed
 - Bluish discoloration of your hand
 - Arm pain and swelling, possibly due to blood clots
 - Weak or no pulse in the affected arm
 - Cold fingers, hands or arms
 - Throbbing lump near your collarbone

FPST-3213

55





Thoracic Outlet Syndrome

 Blood vessels or nerves (Brachial plexus) in the space between your collarbone and your first rib (thoracic outlet) are compressed



FPST-3213

56



