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**VASCULAR TECHNOLOGY
PROFESSIONAL PERFORMANCE GUIDELINES**

Physiologic Evaluation for Thoracic Outlet Compression Syndrome

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Physiologic Evaluation for Thoracic Outlet Compression Syndrome

PURPOSE

To evaluate symptoms resulting from irritation or compression of the neurovascular bundle, contents of the brachial plexus and artery or vein at the outlet of the thoracic cavity.

COMMON INDICATIONS

Some of the more common indications for evaluation of Thoracic Outlet Syndrome (TOS) include:

- Pain and Paresthesia in the hand, neck, shoulder or arms.
- Arm fatigue which varies with different anatomic positions
- Raynaud's Phenomenon
- Muscle atrophy of the hand
- Posterior headaches

Prior to having the patient perform maneuvers to assess for conditions causing Thoracic Outlet Syndrome, arterial segmental pressures and Doppler evaluation are performed to identify any underlying atherosclerosis disease.

CONTRAINDICATIONS AND LIMITATIONS

- Upper extremity deep venous thrombosis
- Recent upper extremity superficial venous thrombosis
- Open wounds

