

Our highly trained physicians and medical staff are ready to provide their expertise and care.

Interventional Physicians

G. Gordon Benjamin, MD
Ryan P. Bredeweg, MD
Jarvis C. Chen, MD
Michael T. Dowd, MD
Andrew Hardy, MD
Thomas S. Keskey, MD
Charles Leusner, MD
Howard Sun, MD
Richard S. Tobin, MD
Tod E. Wurst, MD

Neurointerventional Surgeons

Brian R. Kott, MD
Alison M. Nohara, MD
Dennis Wang, MD

Steve Baker, PA-C

Physician Assistants

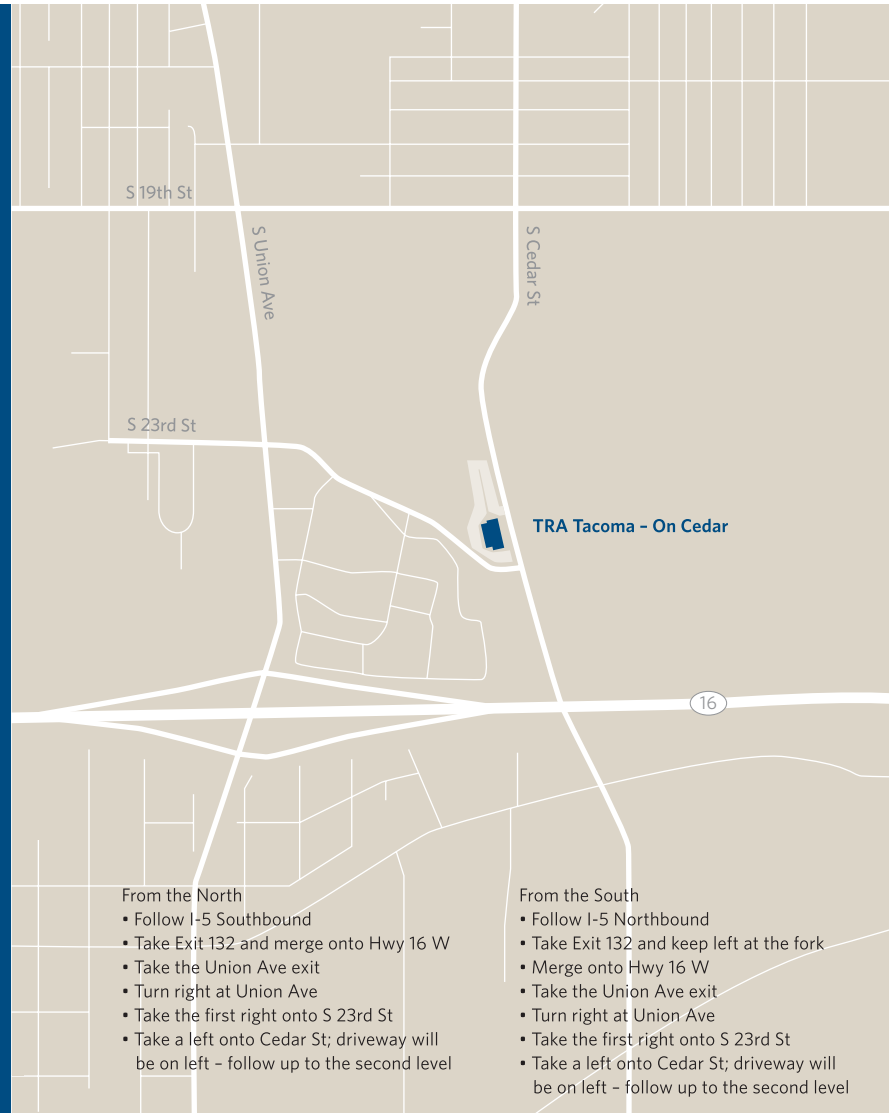
Michael Flamoe, PA-C
Douglas Moore, PA-C
Adam B. Shain, MMSc, PA-C
Matthew Thompson, PA-C

Hospitals we serve

Mary Bridge Children's Hospital
St. Anthony Hospital
St. Clare Hospital
St. Francis Hospital
St. Joseph Medical Center
Tacoma General Hospital

TRA Medical Imaging is the community's source for convenient diagnostic imaging throughout the Puget Sound region. We are a regional partnership of multi-specialty radiology physicians that provides high quality, patient-centered radiology services.

Since 1943, TRA has combined compassionate, individualized care with leading-edge technology to offer the highest expertise and quality in imaging services. Our radiology physicians, technologists, and staff provide our referring physicians and patients with excellence in care.



From the North

- Follow I-5 Southbound
- Take Exit 132 and merge onto Hwy 16 W
- Take the Union Ave exit
- Turn right at Union Ave
- Take the first right onto S 23rd St
- Take a left onto Cedar St; driveway will be on left - follow up to the second level

From the South

- Follow I-5 Northbound
- Take Exit 132 and keep left at the fork
- Merge onto Hwy 16 W
- Take the Union Ave exit
- Turn right at Union Ave
- Take the first right onto S 23rd St
- Take a left onto Cedar St; driveway will be on left - follow up to the second level



Interventional & Neurointerventional Clinic

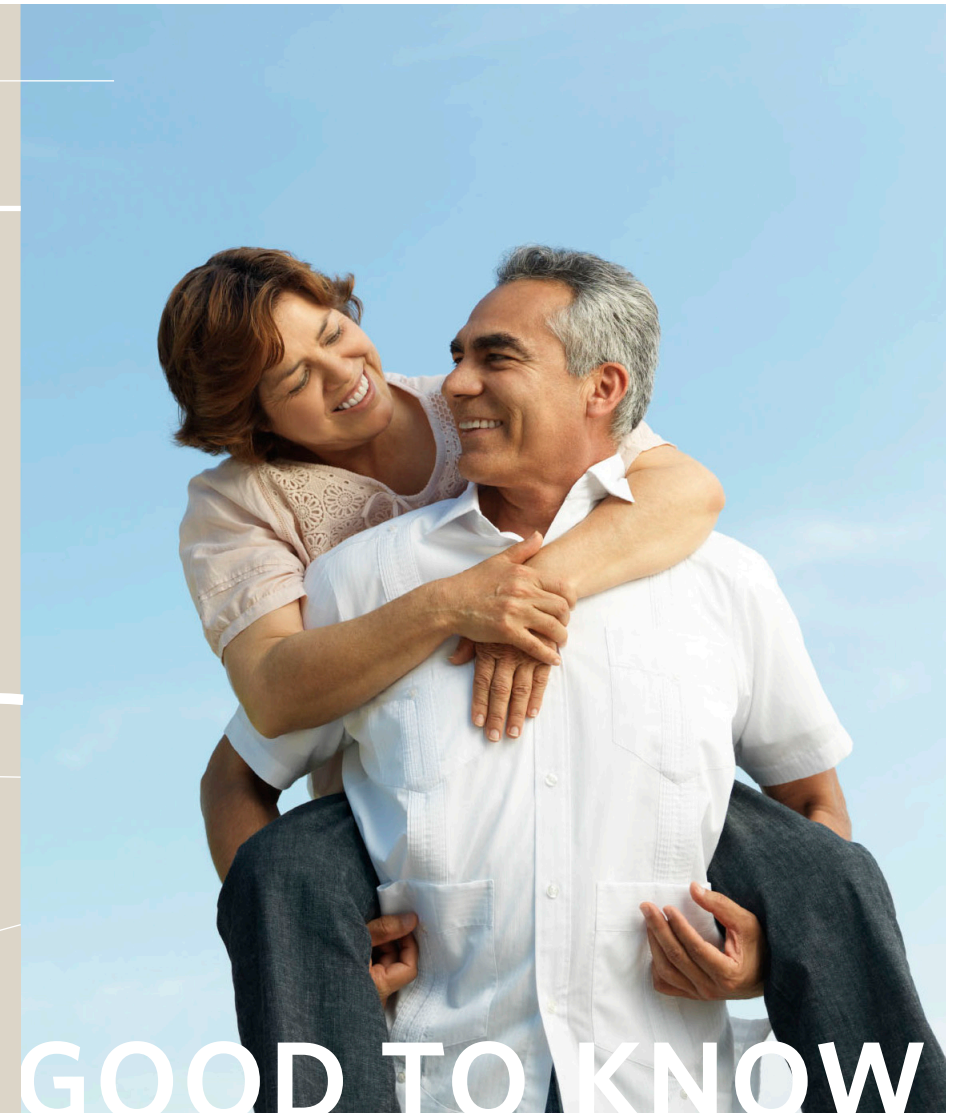
TRA Medical Imaging - On Cedar
2202 South Cedar Street, Suite 200
Tacoma, WA 98405

Scheduling Line: (253) 284-0841

Clinic Fax: (253) 284-0847

Hours: 8:00 a.m. to 5:00 p.m. Monday - Friday

www.tramedicalimaging.com



Our Interventional & Neurointerventional Services



Neurointerventional Procedures by Location

Procedure	TRA Neurointerventional Surgery Clinic at Cedar	Consultation Required - NIR Clinic at Cedar	St. Joseph Hospital - Tacoma	Tacoma General	St. Anthony Hospital - Gig Harbor	St. Clare Hospital - Lakewood	St. Francis Hospital - Federal Way
Arteriovenous Malformation		•	•	•			
Brain Aneurysm		•	•	•			
Carotid Artery Stenosis		•	•	•			
Carotid / Vertebral Dissection		•	•	•			
Cerebral Angiogram	•	•	•	•	•		
Dural Arteriovenous Fistula		•	•	•			
Epistaxis		•	•	•			
Intracranial Mass Embolization		•	•	•			
Intracranial Stenosis		•	•	•			
Vertebroplasty/Vertebral Augmentation (including Kyphoplasty)	•	•	•	•	•	•	•
Petrosal Sinus Sampling		•	•	•			
Spine Lesion / Mass		•	•	•			
Vertebral Stenosis		•	•	•			
Consultations & Follow-up	•						

Interventional Procedures by Location

	Consult/Procedure Type	Consultation Pre-Procedure	TRA Tacoma - on Cedar
IV Access	Central Venous Catheter Placement		•
	PICC Line Placement		•
	Port Placement & Port Injection		•
	Tunneled Central Catheter (TCC)		•
	Tunneled Dialysis Access Catheter (permacath, TDAC)		•
Drainage and Tube Management	Abscess Drainage		•
	Chest Tube Placement		•
	Drainage Catheter Placement/Exchange		•
	Gastrostomy and Gastrojejunostomy Maintenance		•
	Pancreatic Pseudocyst Drainage		•
	Pleura/Aspira Catheter Placement	•	•
			•
Aspiration	Paracentesis		•
	Thoracentesis		•
	Lumbar Puncture		•
	Joint Aspiration and Steroid Injection		•
Bone & Joint, Pain Management	Arthrograms		•
	Celiac Plexus Block/Ablation	•	
	Epidural and Facet Injections		•
	Joint Aspiration and Steroid Injection		•
	Joint Injections		•
Spinal Intervention	Vertebral Augmentation (including Kyphoplasty)	•	•
	Vertebroplasty	•	•
	Lumbar Puncture		•
	Lumbar Selective Nerve Root Block		•
	Myelogram		•

	Consult/Procedure Type	Consultation Pre-Procedure	TRA Tacoma - on Cedar
Biopsy, Interventional Oncology	CT Guided Biopsy (Lung, Liver, Renal, Lymph Node, Bone, Bone Marrow)		•
	Ultrasound Guided Biopsy (Thyroid, Liver, Renal, Lymph Node)		•
	RF Ablation/Cryoablation	•	
	Chemoembolization	•	
			•
Women's Health	Uterine Fibroid Embolization	•	
	Ovarian Vein Embolization	•	
	Fallopian Tube Recanalization	•	•
	Hysterosalpingogram		•
Arterial and Venous Intervention	Arteriogram (Cerebral, Aortogram)	•	•
	Balloon Angioplasty and Stenting	•	
	Dialysis Fistulagram		•
	IVC (inferior vena cava) Filter Placement	•	•
	IVC (inferior vena cava) Filter Removal	•	•
	TIPS placement	•	
	TIPS (transjugular intrahepatic portalsystemic shunt) Revision		•
	Venogram	•	•
	Varicose Vein Therapy (Laser vein ablation, sclerotherapy, phlebectomy)	•	•
Varicocele Embolization	•		
Adrenal Vein Sampling	•		

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Expertise

TRA's Interventional & Neurointerventional Clinic at Cedar provides interventional procedures, as well a pre- and post-procedure patient consultations. Our complete medical imaging, interventional and vascular services are provided in an easy to access, comfortable, and safe outpatient environment.

