

TABLE OF CONTENTS

Doppler Imaging of Neovascularization in MSK Ultrasound

CHAPTER	LECTURE	TIMING
Basics of the Doppler Effect	Welcome and introduction	0:01:29
	SonoSkills Pathology Checklist	0:03:10
	Basics of the Doppler Effect	0:08:02
Types of Doppler	Color Doppler	0:08:07
	Power Doppler	0:05:04
	Advanced Doppler	0:09:49
	Other types of Doppler	0:04:51
Optimizing Doppler Settings	PRF / Scale	0:06:06
	Skill Drill: PRF / Scale	0:01:33
	Gain	0:05:26
	Skill Drill: Gain	0:01:22
	Box Size	0:03:38
	Box Position & Steering	0:06:01
	Skill Drill: The Box	0:01:50
	Frequency	0:04:18
	Skill Drill: Frequency	0:01:58
	Wall Filters	0:03:47
	Skill Drill: Wall Filter	0:01:54
	Colour Priority	0:03:42
	Persistence	0:02:50
	Transducer	0:04:08
	Creating the optimal setup	0:05:18
Artefacts and Pitfalls	Blooming	0:03:22
	Trouble Shooting: Blooming	0:01:43
	Aliasing	0:03:36
	Trouble Shooting: Aliasing	0:01:52
	Flash Artefacts	0:03:57
	Motion Artefacts	0:03:38
	Trouble Shooting: Flash & Motion Artefacts	0:01:34
	Angle Dependence	0:02:36
	Trouble Shooting: Angle Dependence	0:01:44
	Attenuation	0:03:14
	Trouble Shooting: Atenuation	0:01:52
	Edge Artefact	0:03:10

	Mirror Artefact	0:03:04
	Random Noise	0:02:52
	Reverberation	0:03:26
Neovascularization	Definition of Neovascularization	0:02:44
	Etiology of Neovascularization	0:08:16
	General Timeline for Neovascularization	0:07:54
	Grading System for Neovascularization	0:06:44
	Clinical Role of Neovascularization in MSK Medicine	0:06:32
	Neovascularization in Tendon Pathology	0:09:56
	Neovascularization in Tenosynovial Pathology	0:06:33
	Neovascularization in Capsule Pathology	0:03:50
	Neovascularization in Ligamentous Pathology	0:05:02
	Neovascularization in Bursa Pathology	0:03:10
	Neovascularization in Nerve Pathology	0:04:50
	Neovascularization in Muscle Pathology	0:05:36
	Neovascularization in Bone Pathology	0:05:20
	Neovascularization in Nail Pathology	0:04:54
	Neovascularization across multiple tissue types	0:07:49
	Thank you for attending this course	0:01:05
Total time		3:46:18