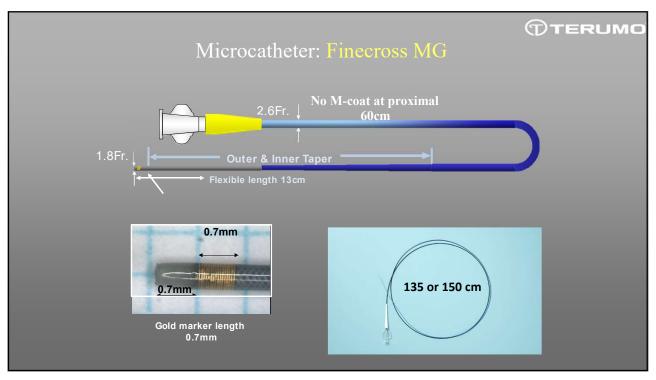
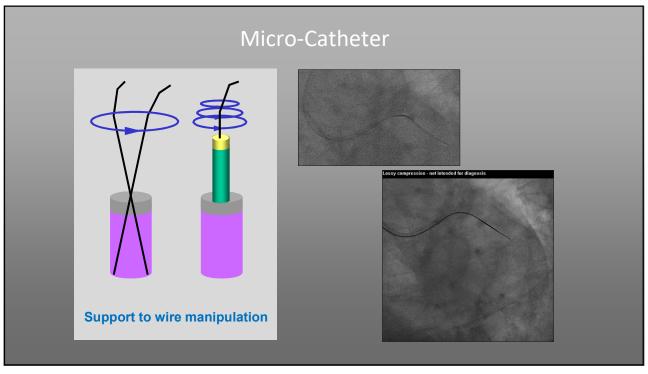


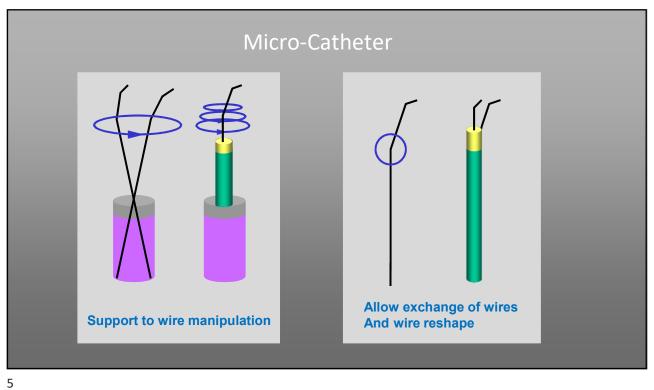
Mother and Child Guiding Support

Thrombectomy and Distal Protection Device

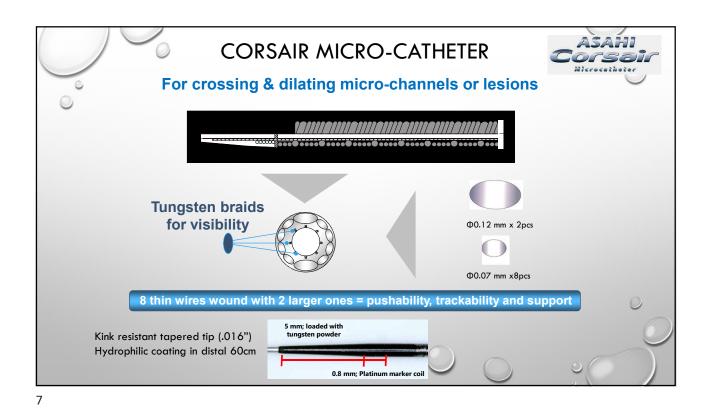
Atherectomy/Calcium Modifying Devices







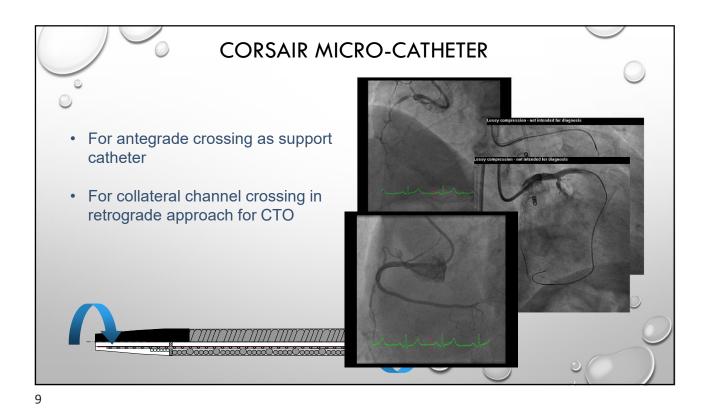


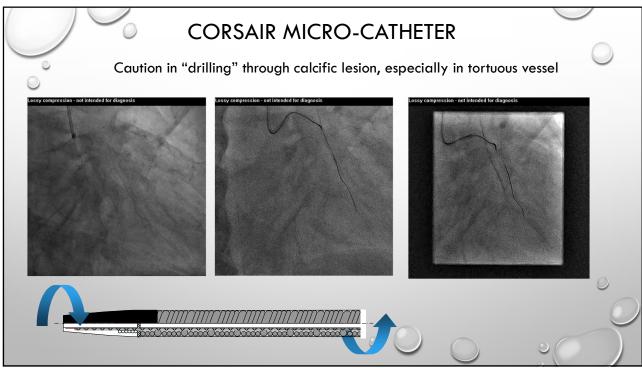


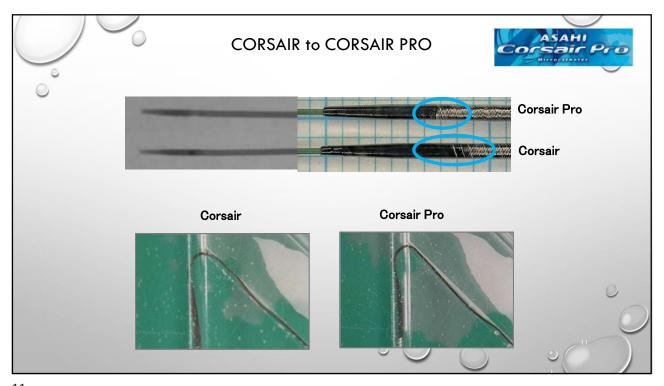
Rotation Resistance Reduction

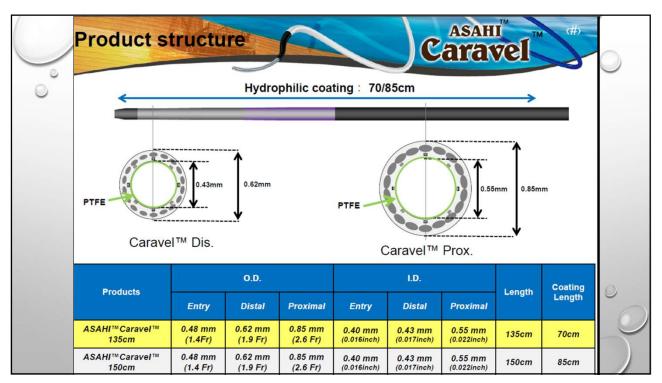
Rotate clockwise and anticlockwise (each < 10 turns)

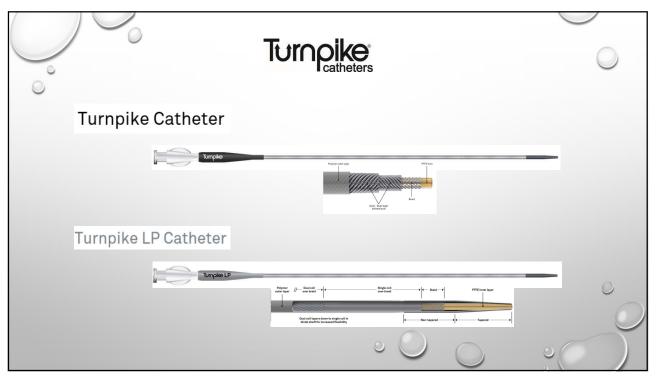
SHINKA-Shaft's spiral structure transmits rotation to the distal tip.
This rotation gives CORSAIR its crossing performance through tortuous channels.

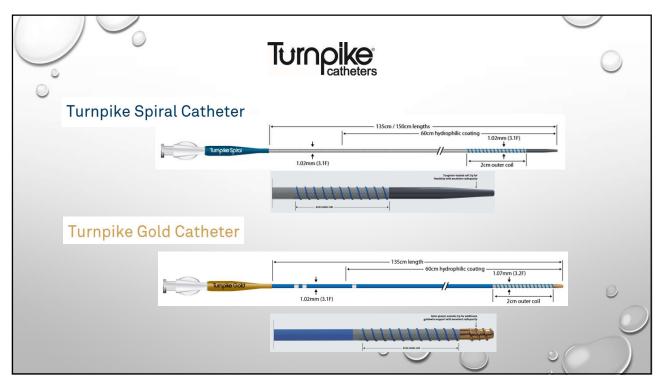




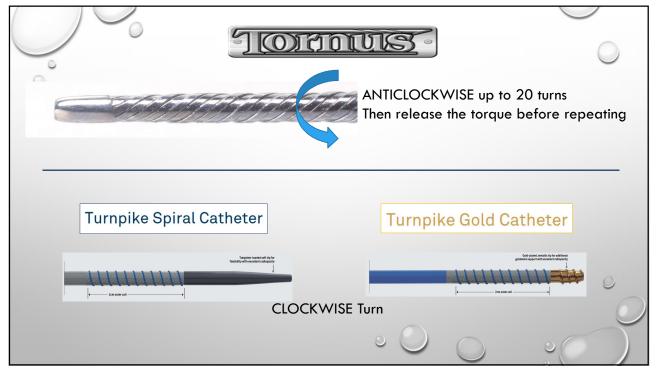










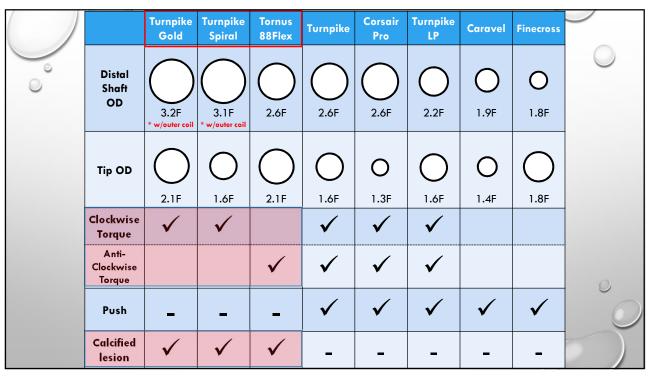


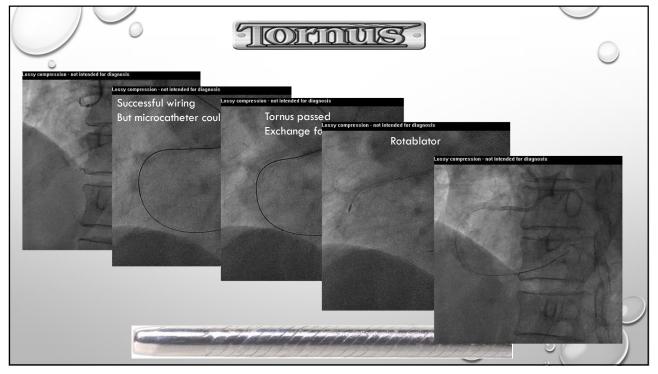
	Turnpike Gold	Turnpike Spiral	Tornus 88Flex	Turnpike	Corsair Pro	Turnpike LP	Caravel	Finecross	
Distal Shaft OD	3.2F * w/outer coil	3.1F * w/outer coil	2.6F	2.6F	2.6F	2.2F	1.9F	O 1.8F	
Tip OD	2.1F	1.6F	2.1F	1.6F	O 1.3F	1.6F	O 1.4F	1.8F	
Clockwise Torque	✓	✓		✓	✓	<b>√</b>			
Anti- Clockwise Torque			✓	✓	✓	✓			0
Push	_	-	-	✓	✓	✓	✓	✓	
Calcified lesion	✓	✓	✓	-	-	-	-	-	

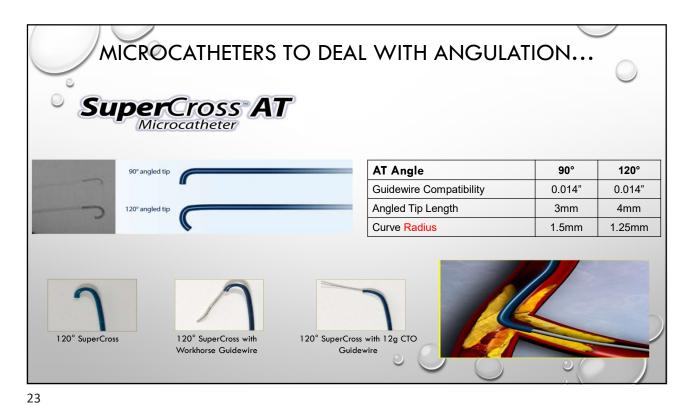
	Turnpike Gold	Turnpike Spiral	Tornus 88Flex	Turnpike	Corsair Pro	Turnpike LP	Caravel	Finecross	
Distal Shaft OD	3.2F * w/outer coil	3.1F * w/outer coil	2.6F	2.6F	2.6F	2.2F	1.9F	O 1.8F	0
Tip OD	2.1F	1.6F	2.1F	1.6F	O 1.3F	1.6F	O 1.4F	1.8F	
Clockwise Torque	✓	✓		✓	✓	<b>✓</b>			
Anti- Clockwise Torque			✓	✓	✓	<b>✓</b>			0
Push	-	-	-	✓	✓	✓	<b>√</b>	✓	
Calcified lesion	✓	<b>√</b>	✓	-	-	-	-	-	

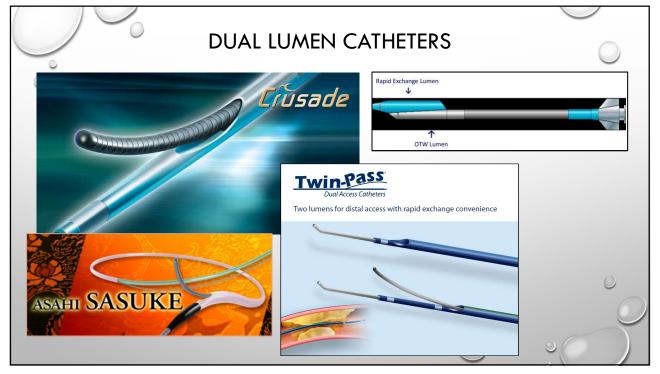
	Turnpike Gold	Turnpike Spiral	Tornus 88Flex	Turnpike	Corsair Pro	Turnpike LP	Caravel	Finecross	
Distal Shaft OD	3.2F * w/outer coil	3.1F * w/outer coil	2.6F	2.6F	2.6F	2.2F	1.9F	O 1.8F	
Tip OD	2.1F	1.6F	2.1F	1.6F	O 1.3F	1.6F	O 1.4F	1.8F	
Clockwise Torque	✓	<b>✓</b>		✓	✓	✓			
Anti- Clockwise Torque			✓	✓	✓	✓			0
Push	-	1	-	<b>✓</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>✓</b>	
Calcified lesion	<b>√</b>	<b>√</b>	✓	-	_	_	_	_	

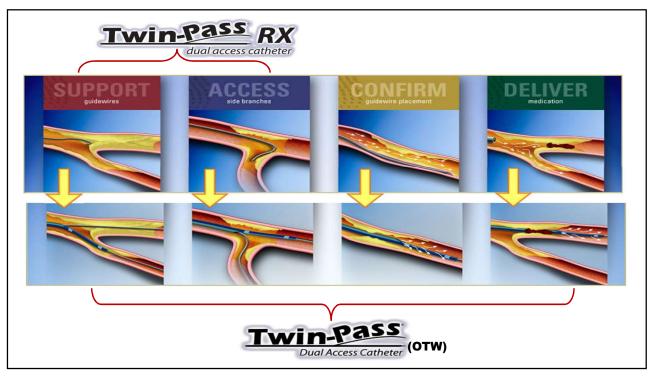
	Turnpike Gold	Turnpike Spiral	Tornus 88Flex	Turnpike	Corsair Pro	Turnpike LP	Caravel	Finecross	
Distal Shaft OD						0	0	0	0
	3.2F * w/outer coil	3.1F * w/outer coil	2.6F	2.6F	2.6F	2.2F	1.9F	1.8F	
Tip OD		0	$\bigcirc$	0	0	0	0		
	2.1F	1.6F	2.1F	1.6F	1.3F	1.6F	1.4F	1.8F	
Clockwise Torque	✓	$\checkmark$		<b>✓</b>	✓	✓			
Anti- Clockwise Torque			✓	<b>✓</b>	✓	✓			0,
Push	-	•	<b>-</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>✓</b>	
Calcified lesion	<b>√</b>	<b>✓</b>	✓	-	-	-	-	-	

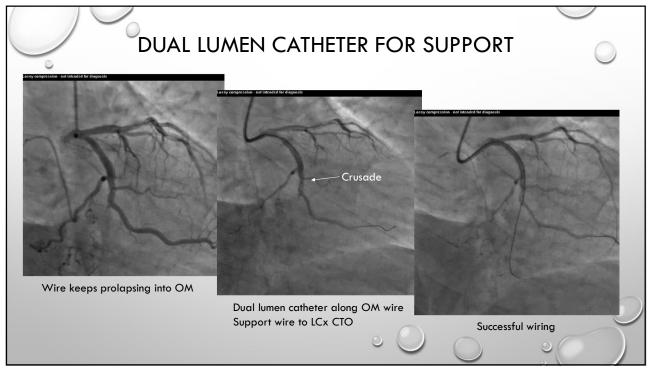


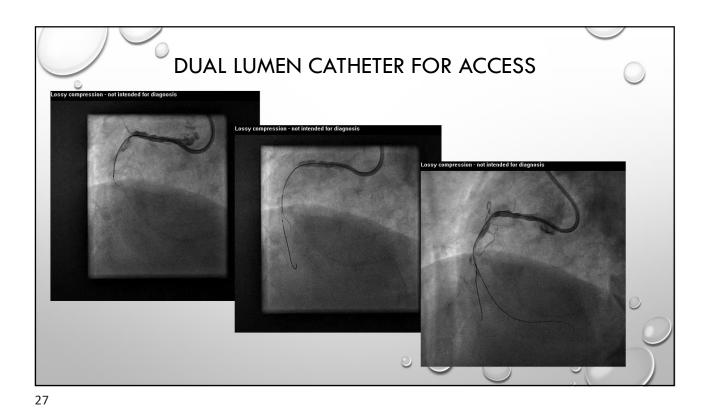


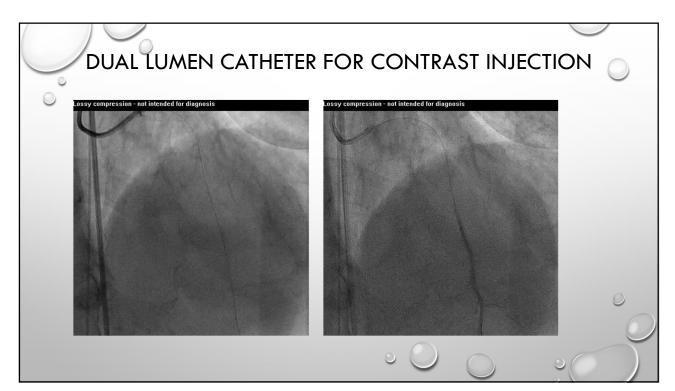


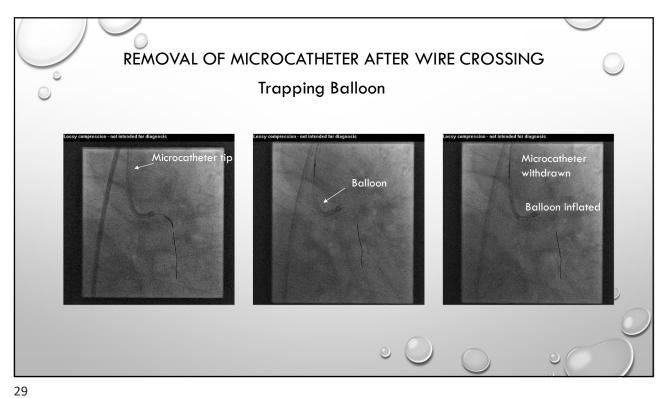


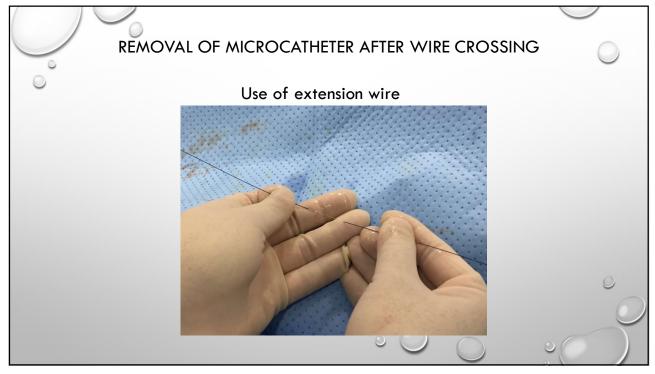


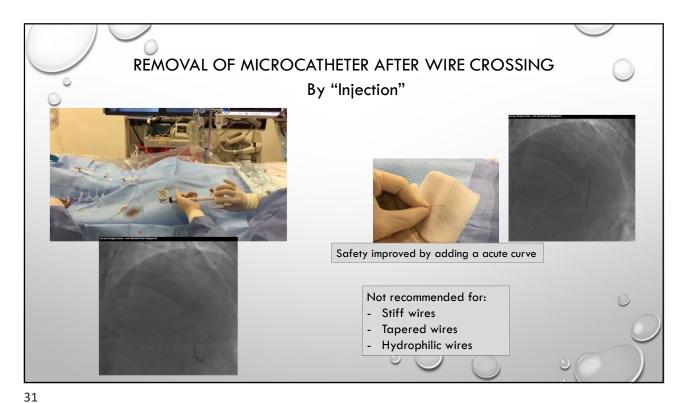




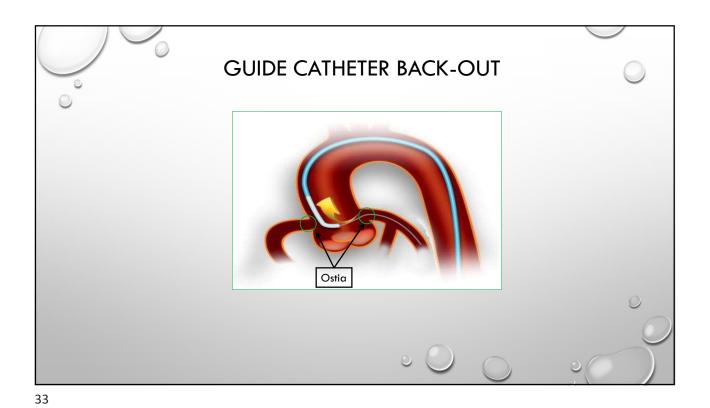


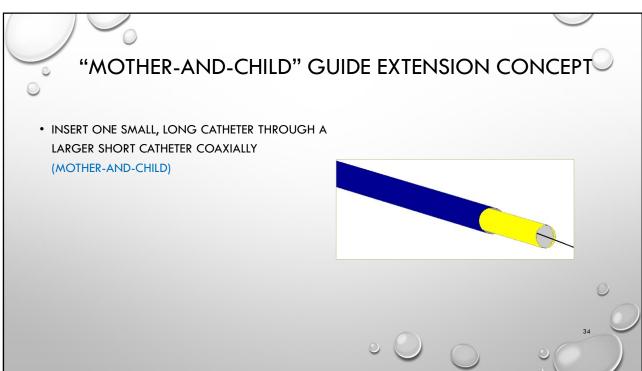


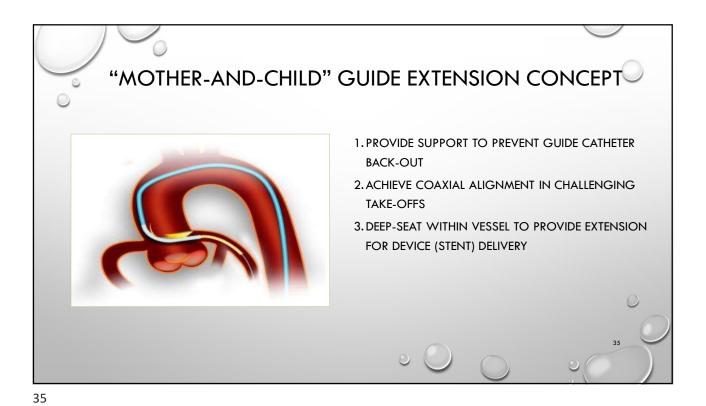


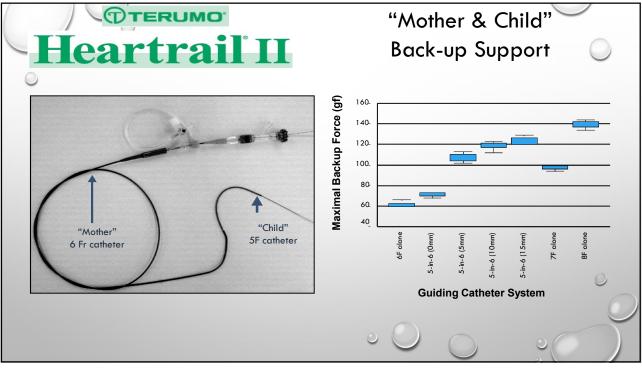


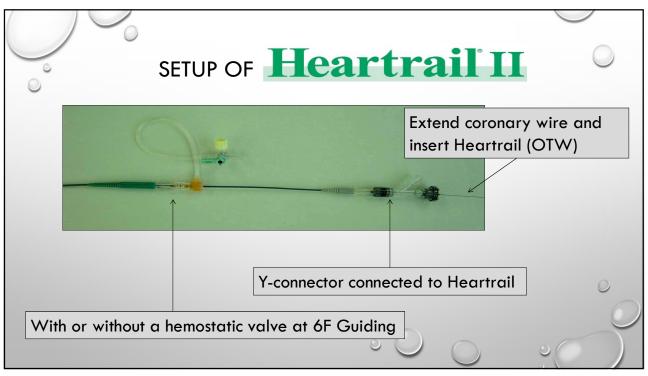




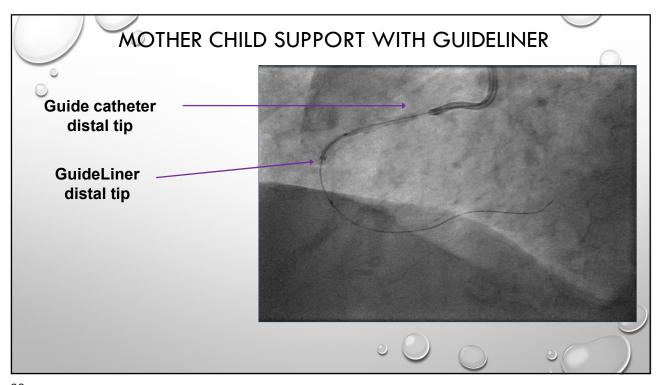


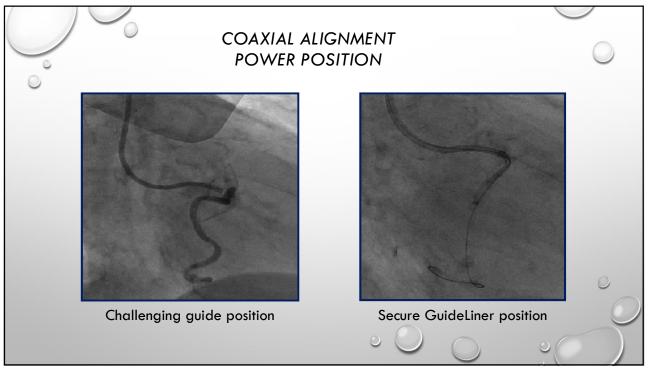


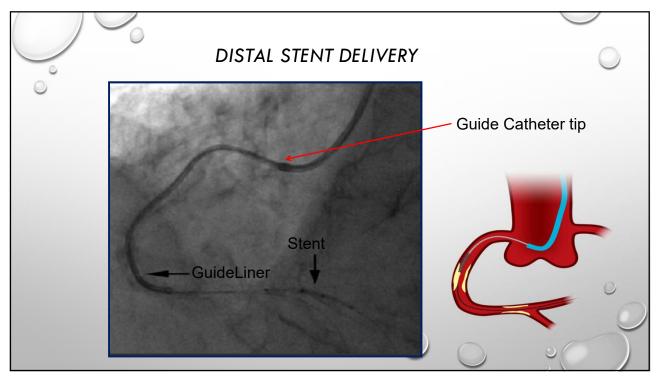


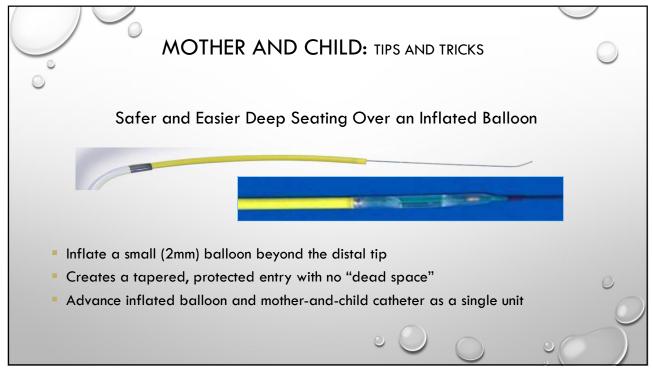


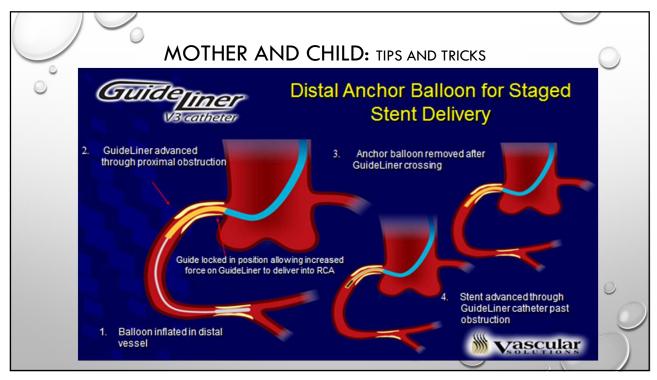


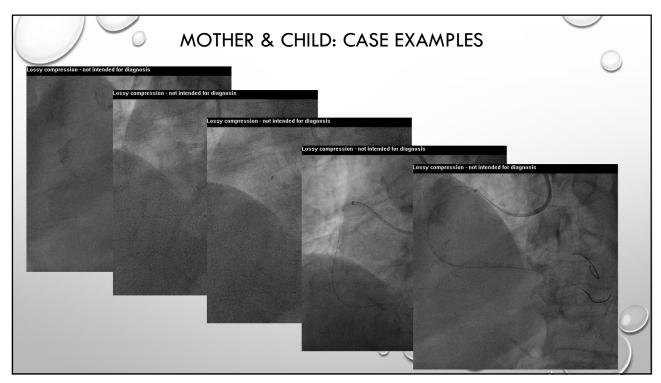


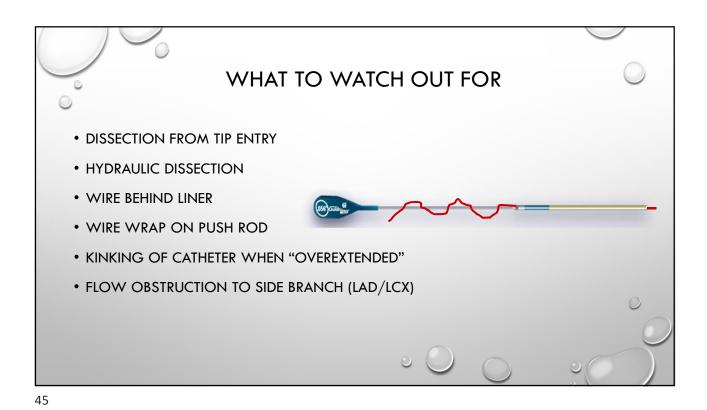


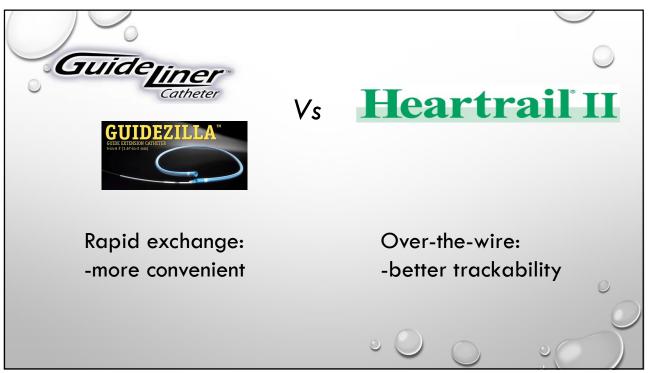


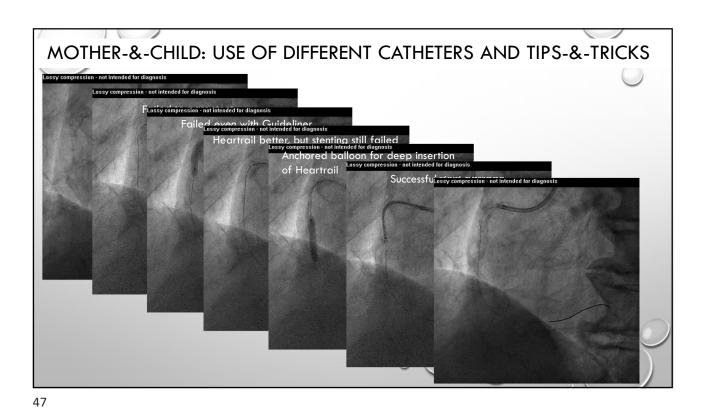










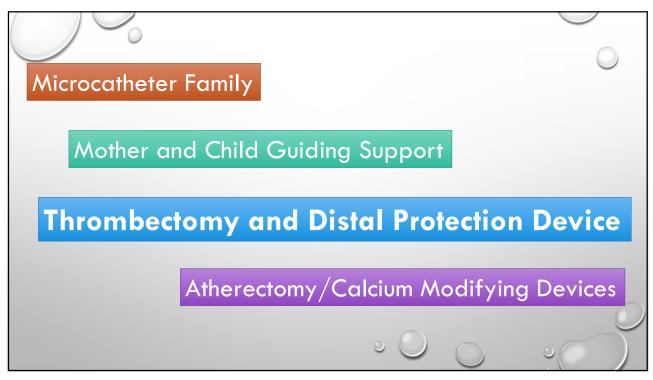


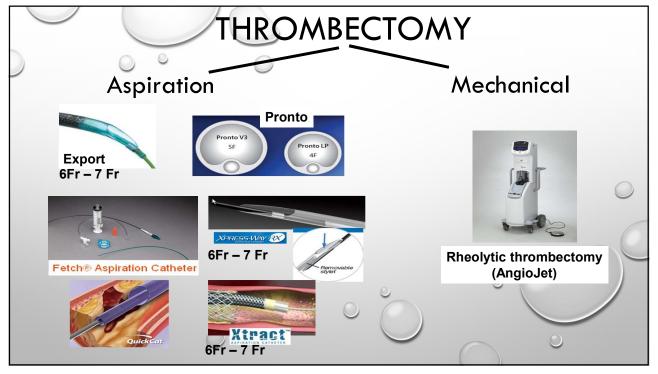
Microcatheter Family

Mother and Child Guiding Support

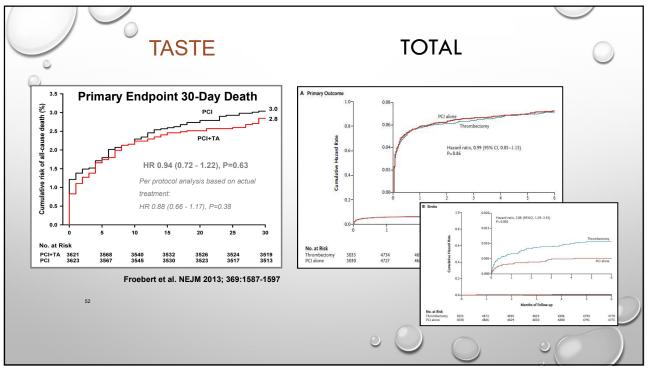
Thrombectomy and Distal Protection Device

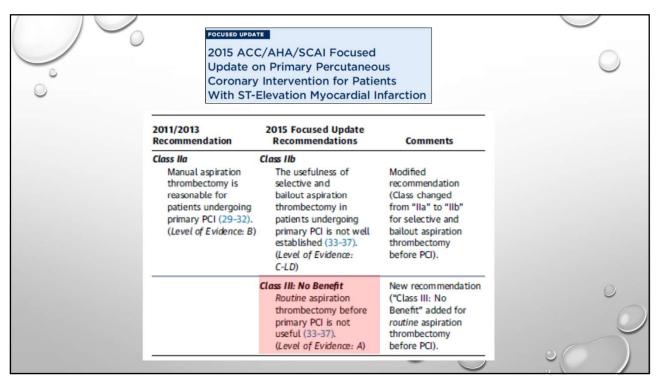
Rotational Atherectomy

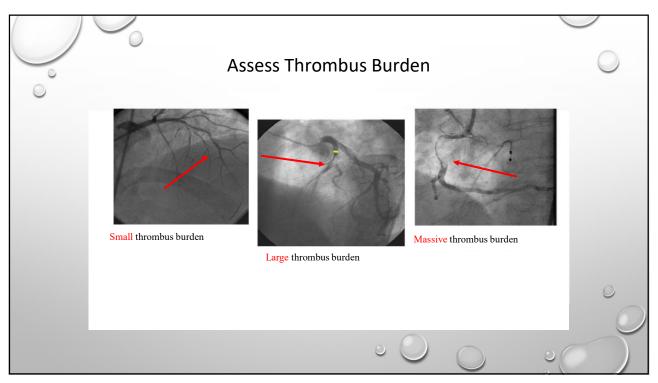


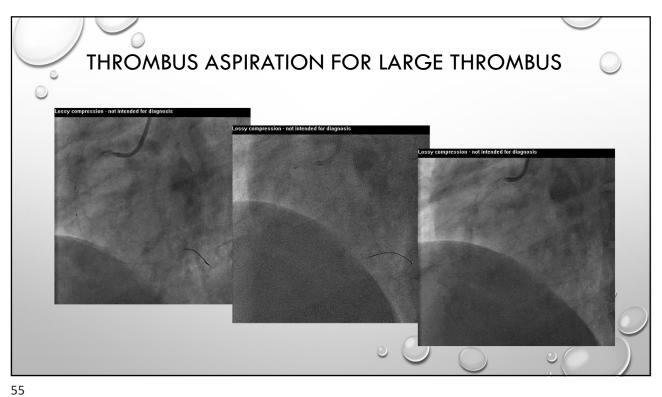


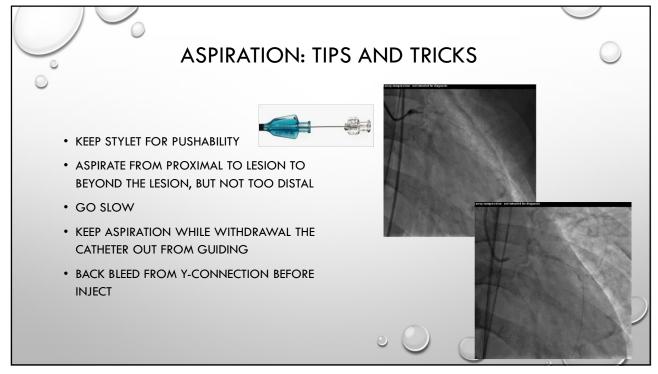


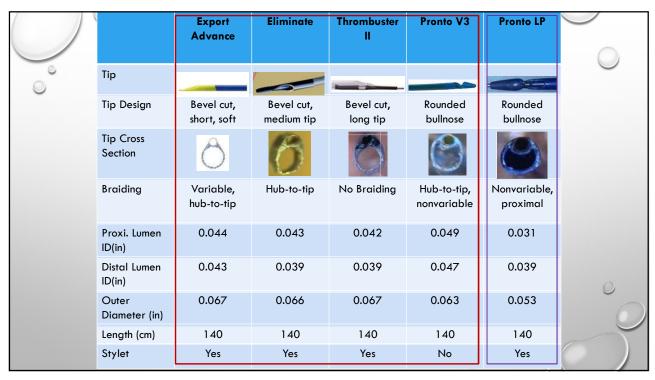


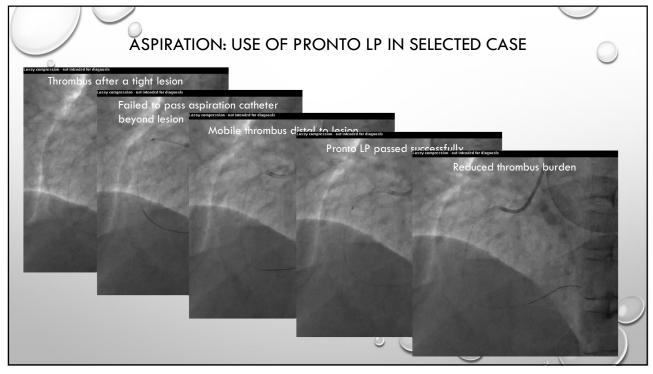


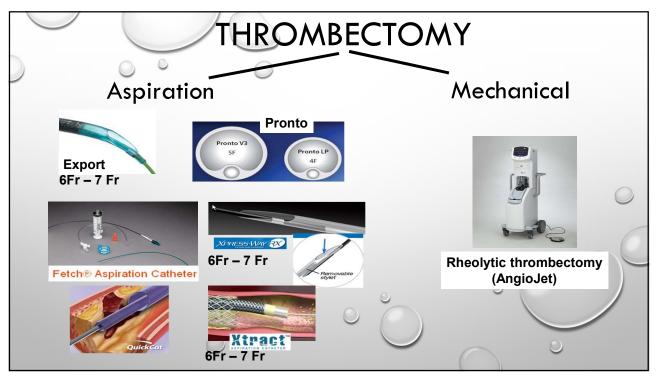


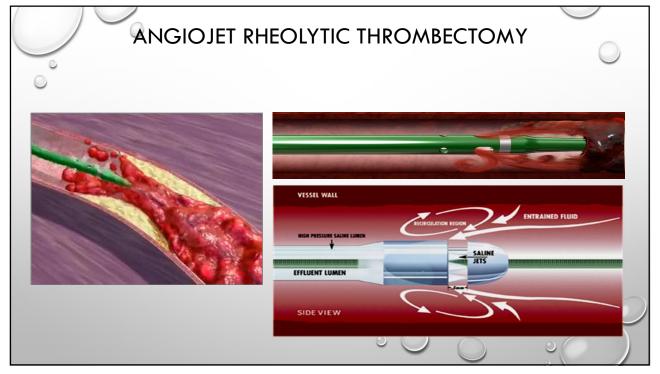


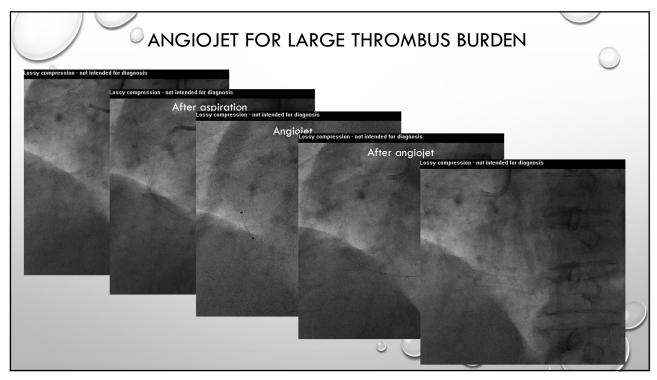


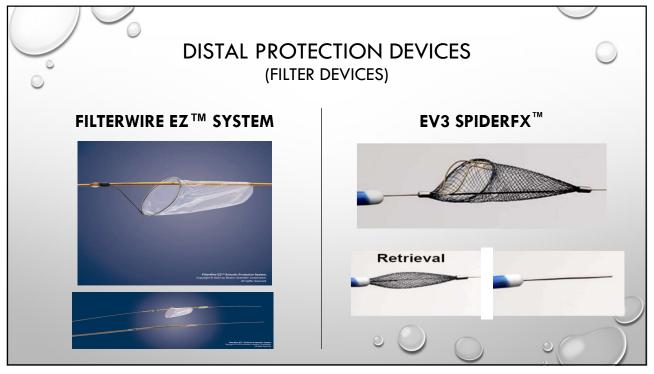


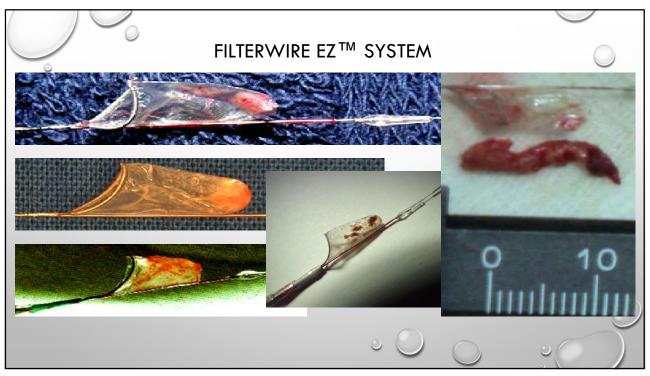


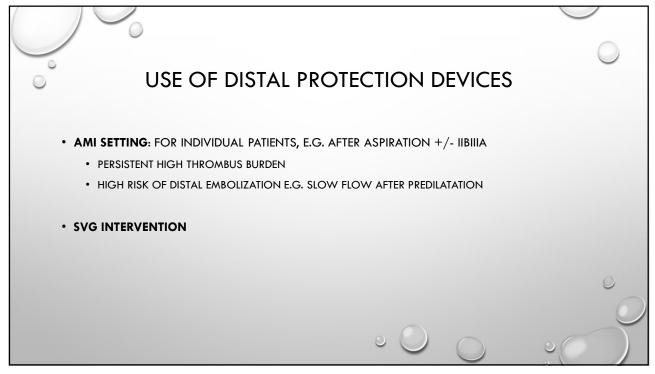


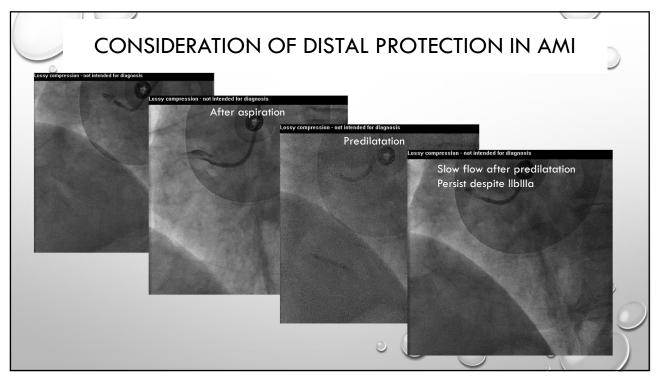


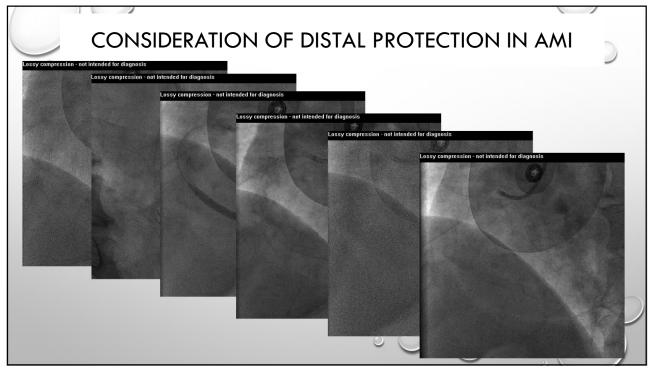


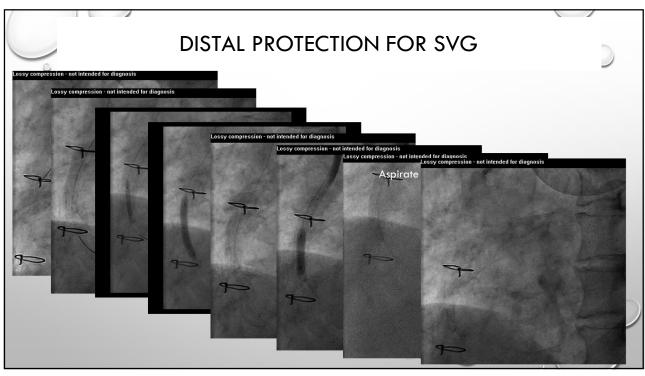


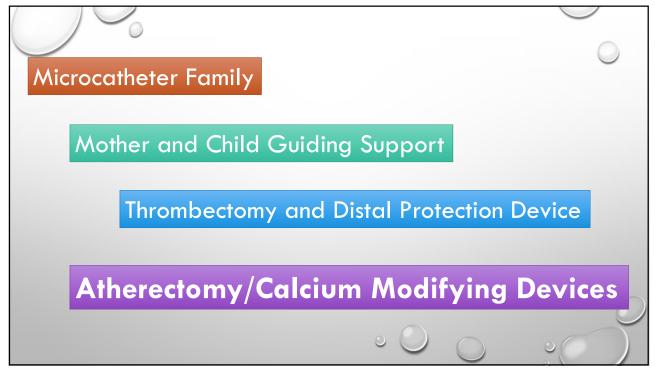


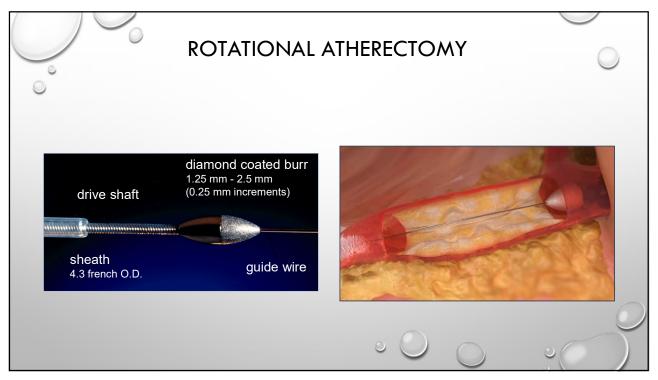






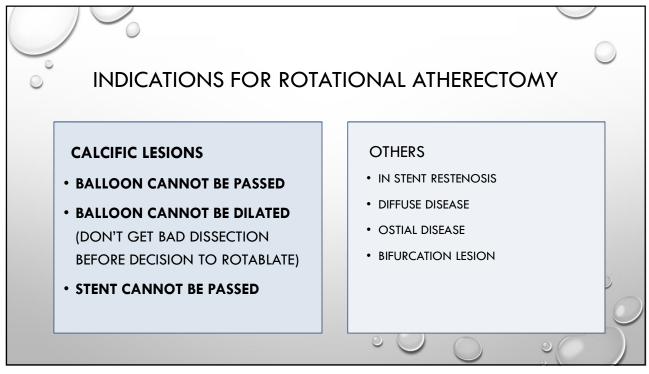


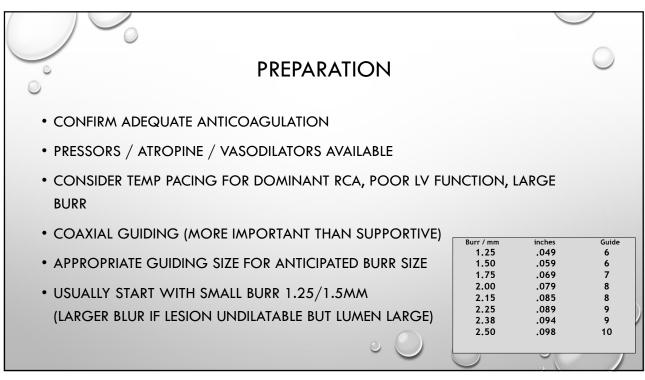






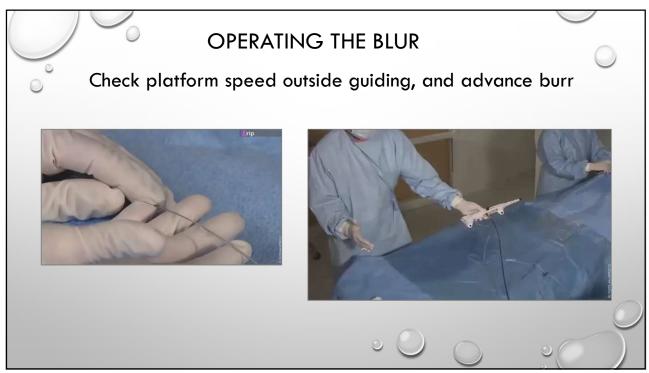


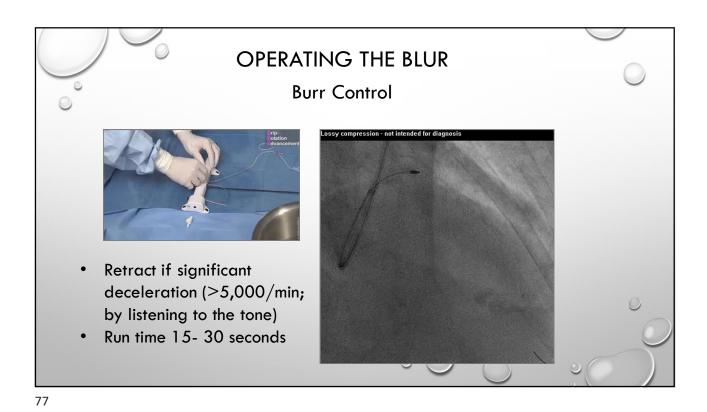












OPERATING THE BLUR
Removal of Burr

When no more resistance, remove the burr immediately (use dynaglide), and take a shot

<del>---</del>

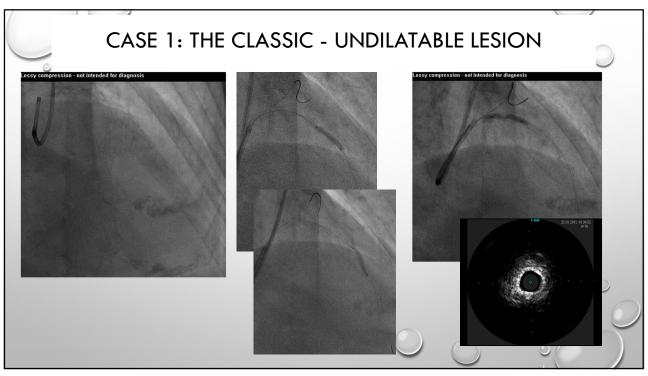
## **OPERATING THE BLUR**

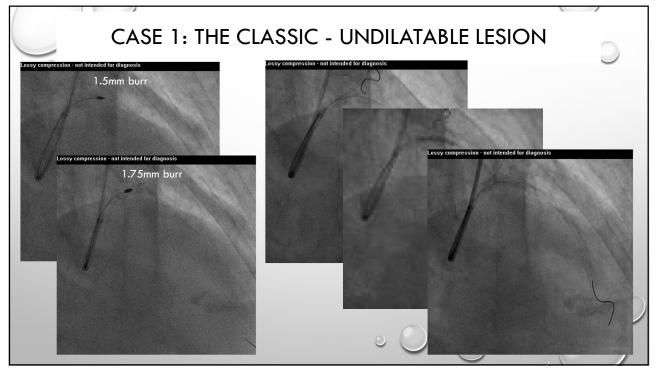
- ENSURE FLUSH (LUBRICANT) IS OPENED
- CHECK PLATFORM SPEED OUTSIDE GUIDING; 160,000-180,000 RPM
- START PROXIMAL TO LESION; GENTLE FORWARD AND BACKWARD PECKING MOTION; AVOID FORCEFUL ADVANCEMENT
- RETRACT IF SIGNIFICANT DECELERATION (>5,000/MIN; BY LISTENING TO THE TONE)
- RUN TIME 15- 30 SECONDS
- WHEN NO MORE RESISTANCE, REMOVE THE BLUR IMMEDIATELY (USE DYNAGLIDE), AND TAKE A SHOT

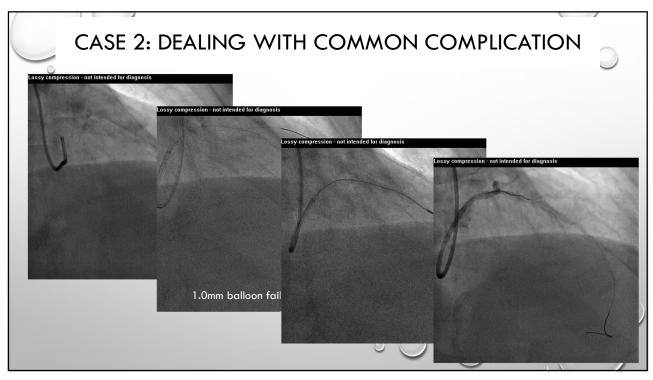
79

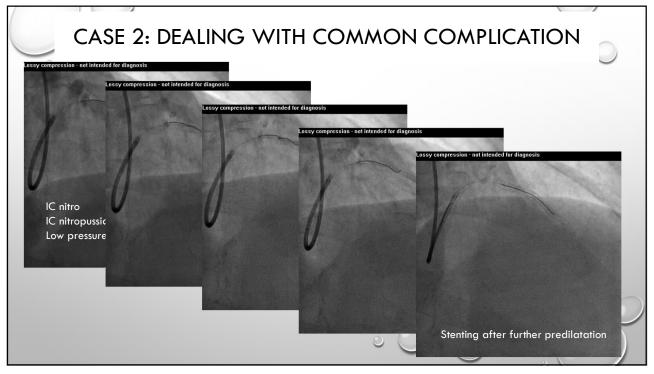
## PREPARE TO DEAL WITH ADVERSE EVENTS

- SLOW FLOW/NO REFLOW/SPASM/DISSECTION
  - VASODILATORS
  - LOW PRESSURE BALLOON
- HYPOTENSION/BRADYCARDIA
  - PRESSORS/ATROPINE PROMPTLY +/- IABP
- PERFORATION AS UNCOMMON COMPLICATION











TWO APPROACHES TO ATHERECTOMY

Rotational Atherectomy
Fixed burr

TWO APPROACHES TO ATHERECTOMY

Orbital Atherectomy
360 degree vessel prep







