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Women's Artistic Gymnastics Levels, Skills, and Scoring System

*Please refer to the USA Gymnastics and FIG Code of Points for full rules and details on each level, as this is a summary and not an entire list.

Level	Description	Skills	Highest Score
Level 1	Compulsory beginner routine	Vault: Run, jump on spring board and straight jump off spring board and stick	10.00
	Must be 4 years old to compete	Bars: Low bar only, pull over, cast, back hip circle, under swing dismount	
		Beam: Kick, releve lock stance, straight jump, arabesque, side handstand fall dismount	
		Floor: Cartwheel, backward roll, straight jump, forward roll, handstand to 45°	
Level 2	Compulsory beginner routine	Vault: Run, jump on spring board, and perform handstand flat back on stacked mats	10.00
	Must be 5 years old to compete	Bars: Glide return, pull over, two casts, back hip circle, underswing dismount	
		Beam: Straight jump, 30° arabesque, pivot turn, cartwheel to handstand dismount	
		Floor: Cartwheel to backward roll to push up position, split leap with 60° connected to a split jump,	
		handstand hold 1 second, candle stick, and bridge kickover	
Level 3	Compulsory beginner routine	<u>Vault</u> : Front handspring over stacked mats turned sideways landing on their feet	10.00
	Must be 6 years old	<u>Bars</u> : Glide swing and pull over or kip, cast, two back hip circles, front hip circle, small cast, cast squat on	
		jump straight dismount	
		Beam: Handstand, two straight jumps, arabesque to 45°, split leap to 90°, two pivot turns, side handstand	
		quarter turn dismount	
		Floor: Handstand forward roll, 90° leap, straight jump split jump 90°, split on floor, half turn, backward	
		roll to push up position, and round off back handspring	
Level 4	Compulsory medium difficultly	<u>Vault</u> : Front handspring over the vault table	10.00
	routine	Bars: Kip, cast to horizontal, squat on and jump to high bar, long hang kip, cast horizontal, back hip	
	Must be 7 years old to compete	circle, and underswing to tap swing and dismount to half turn tap hand	
		Beam: Cartwheel, half turn, straight jump split jump 120° connected, handstand hold, scale to horizontal,	
		straight leg leap 120°, same dismount as level 3 but hold handstand for 1 second	
		Floor: Back walkover, 150° split, Front handspring step out to cartwheel to back extension roll, straight	
		jump ½ turn, leap 120°, straddle jump 120°, split on floor 180°, full turn, round off two back handsprings	
Level 5	Compulsory more difficult	Vault: Same as level 4	10.00 vault, beam, and floor
	routine	Bars: Kip, cast above horizontal, clear hip or stalder or sole circle, cast squat on to high bear, long hang	Uneven Bars: 9.5 start if no flyway
	Must be 7 years old to compete	kip, cast above horizontal, long hand pull over, underswing to tap swing fly away	dismount on bars

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		Beam: Choice of forward or back walkover or back roll to ¾ handstand or back handspring, full turn, split jump 150°, seesong front leg 45°, scale above horizontal and hold, straight leg leap 150° with straight connected, cartwheel connected to straight jump, back tuck dismount off beam Floor: Front tuck or front aerial or aerial, two front handsprings in a row intro cartwheel to back extension roll, straight jump to full turn, leap or switch leap to 150° connected to a straddle jump, forward split on floor, full turn, and round off back handspring back tuck	
Level 6	First year of optional routines Must be 7 years old to compete	Vault: Non-flipping timer on vault landing on stacked mats (front handspring, tsuke timer, or yurchenko timer) and must touch feet before falling flat to back Bars: Circling skill requirements, 45° on casts, 6 skills in the routine Beam: Non-flight acro series or single flight skill, 180° on leap, full turn, salto or aerial dismount 6 skills in the routine Floor: 3 skill acro pass and 2 must have flight, second pass can be salto or aerial, dance passage with 180° leap, and full turn, 6 skills in the routine	10.00
Level 7	Second year of optional routines Must be 7 years old to compete	Vault: Same as level 6 but can choose to not touch feet and rotate onto back or stomach pending vault choice Bars: Cast to handstand, B circling element, can do giants on high bar, salto dismount, 7 skills in the routine Beam: Acro series with or without flight but in the routine needs to have a single flight element, leap or jump to 180°, full turn, and salto or aerial dismount, 7 skills in the routine Floor: 3 passes on floor, 7 skills in the routine	10.00
Level 8	Optional routines Must be 8 years old to compete First year flipping a vault Allowed to start release moves on uneven bars	Vault: Flipping vault Bars: 1 bar change, release element from high to low bar or basic low to high or turn on bars, 8 skills in the routine Beam: Double flight series and allowed to twist on dismount, 8 skills in the routine Floor: 3 different saltos, 2 salto pass, can twist, 8 skills in the routine	10.00
Level 9	Optional routines Must be 8 years old to compete First year where you need to obtain "bonus" on each event	Vault: Flipping vault Bars: 2 bar changes, can do B and C flight/release element, B salto dismount, 8 skills in the routine * Release move on uneven bars are required Beam: Flight series, B dismount, and other components in the routine to obtain bonus Floor: 8 skills in the routine	10.00, but you start from a 9.7 and need to do bonus skills to get your 10.00 start value
Level 10	Optional routines Must be 9 years old Second year of bonus but now more difficult; these gymnasts are typically getting recruited for college gymnastics	Vault: Flipping and usually twisting vault Bars: C and B flight/release, C turn, C salto dismount, 8 skills in the routine *Usually two release moves on bars Beam: Series BC or EA, C dismount, 8 skills in the routine Floor: 8 skills in the routine	10.00, but you start from a 9.5 and need to do bonus skills to get your 10.00 start value
TOPS	Ages 8-10 Gymnasts who are hoping to do Hopes or Elite gymnastics	This is not a level but instead an additional training program that gymnasts between the ages of 8 to 10 years old compete and perform in. There is a set of conditioning exercises that the gymnasts are tested on and based off of a ranking/scoring system they get invited to a national TOPS camp.	There is a set scoring system for the tops conditioning/ routine.
Hopes	Two age groups: Ages 11-12 and Age 13-14 This is a transition between the developmental program and the elite program	Level 9 and 10 athletes who compete at a pre-elite level. They have to qualify for competitions and their routines and scores are based off of the USA Gymnastics Code of Points as well FIG Code of Points.	There are two scores combined together: 1. Execution (which is out of a 10.00 and then deductions are taken) and 2. difficulty score (which has "no limit").
Junior Elite	Ages 11 to 15	These athletes compete at the highest level for ages 11 to 15 and use the USA Gymnastics Code of Points as well FIG Code of Points.	Same as Hopes/above

	Competing at the highest level of gymnastics for ages 11 to 15. These athletes are ineligible for the Olympics due to age.		
Senior Elite	Age 16 and above Highest level of gymnastics and able to compete at the Olympics if qualified at Olympic Trials or Olympic selection camp	This is the highest level of gymnastics. Gymnasts use the Code of Points to create routines and are then scored based off of their difficulty (with skills given certain points for each skill) as well as their execution which is out of a 10.00 and then this score is combined.	Same as Hopes/Junior/above
Collegiate Gymnast	Traditionally gymnasts are ages 17 to 23 years old	Traditionally these gymnasts are previous level 10 gymnasts and Elite gymnasts Considered less intense than elite gymnastics and some level 10 programs. The collegiate gymnastics program has their own Code of Points. There are Divisions I, II, and III	10.00
Xcel Bronze	Minimum age to compete is 5 years old Optional routines but the easiest level and similar to levels 1-3	Vault: Option 1: 9.00 straight jump on to a mat then handstand flat back; Option 2: run jump to handstand flat back; Mat height 16" minimum and 48" max height and can use alternative springboard without a deduction Bars: Only on low bar, 4 A skills, mount, cast with hips leaving the bar, 360 circling element, dismount (no salto); No B skills and no low bar giant Beam: 4 A skills, time limit 45 seconds, ½ turn on one or 2 feet, one jump or leap, one acro element (no flight), dismount cannot be a salto or aerial, not allowed to do any B, salto, or walkover Floor: 4 A skills, 2 direct acro elements with or without flight, 2nd acro pass minimum of 1 acro with or without flight, leap of 60 degrees, minimum of ½ turn, routine time 45 seconds, not allowed to do B skills (except straddle jump or side leap), no saltos or aerials, and can only do a maximum of 2 acro flight skills per routine	Vault 9.00 or 10.00 10.00 on bars, beam, and floor
Xcel Silver	Must be 6 years old to compete Optional routines but harder than Xcel Bronze and similar to levels 1-3	Vault: Option 1: front handspring over the mat (horizontal); Option 2: quarter on or ½ on over the mat (horizontal); Mat height 24" and maximum 48; *can use alternative springboard and can use a sting mat Bars: 5 A skills, can go to high bar, otherwise same requirements as bronze, cast 45 degrees of below, dismount (no salto) Beam: 5 A skills, routine 50 seconds, minimum half turn on 1 foot, 1 jump or leap minimum of 90°, acro but no flight, dismount, not allowed to do a B acro and no C or higher skills Floor: 5 A skills, need a minimum of 2 directly acro element and one must have flight, second acro pass two directly connected elements with or without flight, dance pass with 90° leaps, full turn on one foot, No B acro, no C or higher value, and can only do one salto or aerial per routine, time is 60 seconds for the routine.	10.00 10.00 on bars, beam, and floor
Xcel Gold	Must be 7 years old to compete Optional routines but harder than Xcel Silver and similar to levels 1-4	Vault: Multiple choices based off of the xcel code of points (common vaults are front handsprings and quarter or ½ on) Bars: 6 A skills, No "C" or higher elements, no giants and no release skills with a bar change, two 360 circling skills, and dismount on high bar Beam: 6 A skills, No C value elements, time is 60 seconds, full turn, two different group elements with 120° of a split, 2 acro elements with or without flight and needs to go through vertical, and dismount Floor: 6 A skills, first pass minimum of connected acro flight elements, second pass two directly connected acro flight element or one aerial or salto, dance passage leap is 120 degrees, turn on 1 foot-full turn, not allowed any B twisting, no C or higher value, and routine is 1 minute long	10.00 Can use alternative springboard but start value goes down to a 9.5 10.00 on bars, beam, and floor
Xcel Platinum	Must be 8 years old to compete Optional routines but harder than Xcel Gold and similar to levels 5-7	Vault: multiple choices based off of the xcel code of points (common vaults are front handsprings, and ½ on ½ off) Bars: 6 A skills and 1 B skill, cannot do "C" or higher (unless it is a clear hip to handstand, stalder to handstand, or toe hand), 360° circling skill, kip, and high bar dismount (minimum of an A)	Varied start value based off of vault choice 10.00 on bars, beam, and floor

		Beam: 6 A skills and 1 B skill, full turn, dance series, must be 120° leap, one acro flight or acro flight with or without, and dismount, one minute and 15 second routine Floor: 6 A skills and 1 B skill, minimum of 2 directly connected acro flight with A or B salto, and second acro connecting 2 flight or B salto, dance passage leap 155°, full turn on one foot, no C acro value parts, No D or higher value part, and routine is 1 minute and 30 seconds.	
Xcel Diamond	Must be 9 years old to compete Optional routines but harder than Xcel Platinum and similar to levels 7-8	Vault: multiple choices based off of the xcel code of points (common vaults are ½ on ½ off and can now flip vaults) Bars: 5 A skills, and 2 B skills, maximum of 1 D skill but no bonus, not allowed to do any E skills, giants are allowed, release or turn skill are now allowed, and dismount needs to be a salto or hect or any B dismount from the high bar Beam: 5 A skills and 2 B skills, allowed 1 D skill value part but no bonus, not allowed to do E skills, routine time 1 minute 15 seconds, full turn, dance series split 155°, acro series with or without flight, one acro flight element, and dismount (salto or aerial allowed) Floor: 5 A skills and 2 B skills, two separate acro pass with one being two directly connected acro flight and one separate isolated C salto, two different saltos with one being a B salto, dance passage 155°, minimum of a B turn on one foot, maximum of one D allowed but not allowed to do an E and time for routine is 1 minute and 30 seconds	Varied start value based off of vault choice 10.00 on bars, beam, and floor
Xcel Sapphire	Must be 12 years old to compete Optional routines but harder than Xcel Diamond and similar to levels 8-10	Vault: multiple choices based off of the xcel code of points (most difficult level with flipping or twisting vaults) Bars: 3 A skills, 3 B skill, and 1 C skill, no E skills, no repeating of a 360° circling element, minimum of B dismount or C connected to an A dismount Beam: 3 A skills, 3 B skills, 1 C skill, no E skills allowed, routine time 1 minute 30 seconds, full turn, dance series or leap 180°, acro series minimum of 1 flight skill, need a B dismount or acro flight skill connected to an A Floor: 3 A skills, 3 B skills, 1 C skill, one acro pass with two saltos can be the same or different, need 3 different saltos throughout the routine and one needs to be a B, dance passage 180°, and minimum of B turn on one foot, not allowed any E, and routine is one minute and 30 seconds	Varied start value based off of vault choice 9.6 Bars, beam, and floor Start value

Gymnast Wrist Women's Artistic Return-to-Gymnastics Protocol

- 1. Phase 1: Rest and Healing Phase
- 2. Phase 2: Hanging and Closed Chain Non-Weight-Bearing Exercises
- 3. Phase 3: Open Chain and Weight-Bearing Exercises

Gymnast Wrist Return-to-Gymnastics Protocol Phase 1: Rest and Healing Phase

	Physical Exam Guidelines	Range of Motion	8
	Imaging Guidelines	Guidelines	Gymnastics Specific
	Bracing/Cast Guidelines	Strength Guidelines	
Diagnosis till 4-	Physical Exam	Range of Motion	Please see pages 1-4 for skill descriptions
6 weeks	Gymnast is tender to palpate on distal radial physis	 No wrist motion, complete 	
	• Pain with weight bearing in wrist extension at the distal	rest	Week 1: Complete rest
	radial physis	Focus on thoracic mobility	
	Pain in active and passive wrist extension	 Focus on pectoralis 	Week 2: Be cautious that you are not causing an overuse injury
*Always follow		mobility	to other body parts
soreness rules	<u>Imaging</u>		Conditioning: legs, core, and back
at the end of the	X-ray: PA (90-90), lateral, oblique (consideration of	Strength	Tumbl Trak©/trampoline, floor, and low beam: leaps, jumps,
protocol and in	contralateral x-rays for a direct comparison)	 None at the wrist joint 	turns, and kicks
Table 3*	• X-rays performed at time of diagnosis/ initial visit may	 Focus on strength at the 	
	show:	rotator cuff and periscapular	Week 3+: Be cautious that you are not causing an overuse
	Distal radial physis widening	muscles that do not load or	injury to other body parts
	Distal radial physis early closure	stress the wrist	Tumbl Trak©/trampoline, floor, and low beam: back tuck, front
	Distal radial physis sclerosis	Modalities: forearm	tuck, aerials
	 Parrot beaked appearance of distal radius 	massage, and thoracic spine:	*May not be allowed while in a cast
	Ulnar positive variance	upper trapezius/back	*Patient and family accepting the risk that the gymnast could
		massage	fall onto his/her wrist
	Brace/cast:		
	True immobilization for 4-6 weeks		

Progress to phase 2 if:

- o No pain to palpation on the distal radial physis
- o No pain with hanging on the distal radial physis
- o X-rays are obtained and do not show worsening of physeal injury
- Cleared by YOUR medical provider to progress to phase 2

Gymnast Wrist Return-to-Gymnastics Protocol Phase 2: Hanging and Closed Chain Non-Weight-Bearing Exercises

	Physical Exam Guidelines	Range of Motion	. Hunging and closed chain from Weight Bearing Exercises
	Imaging Guidelines	Guidelines	Gymnastics Specific
	Bracing/Cast Guidelines	Strength Guidelines	
2 - 6 weeks	Physical Exam:	Range of Motion	Begin Hanging Protocols
	• Gymnast is NOT tender to	Guidelines:	First figure out your gymnast's hanging max baseline numbers/measurements and then
	palpate on distal radial physis	Begin wrist, elbow, and	using those number start at 70% of your maximum number to create 3 repetitions based
	• Gymnast does NOT have pain	shoulder motion to within	off of that.
	with weight bearing in wrist	5-10 degrees of uninjured	
*Always	extension at the distal radial physis	side	Have your gymnast perform:
follow	• Gymnast does NOT have pain in	• Continue with thoracic	1. Straight-arm hang with scapular activation (max time 60 seconds)
soreness rules	active and passive wrist extension	mobility and pectoralis	• End goal is to hold for 3 x 60 seconds
at the end of	• Gymnast does NOT have pain	mobility	2. Scapular pull ups (max number 20x)
the protocol	with hanging on the distal radial	moemity	• End goal is to increase to 3 x 20 scapular pulls
and in Table	physis	Modalities/Strength	3. Front grip chin hold (max time 30 seconds)
3*	physis	Guidelines:	• End goal is to hold for 3 x 30 seconds
	Imaging:	Begin wrist/hand	4. Reverse grip chin hold (max time 30 seconds)
	• X-ray: PA (90-90), lateral,	intrinsic strength, forearm	• End goal is to hold for 3 x 30 seconds
	oblique (consideration of	strength, biceps, and	5. Chin up (max 5):
	contralateral x-rays for a direct	triceps	• End goal is to increase to 3 x 5 chin ups
	comparison)	• Continue with	• Focus on pulling up over 5 seconds, and lowering down over 5 seconds
	• X-rays performed may show	periscapular, rotator cuff	• If needed please use a resistance band to assist or start with your chin at the
	improvement at the distal radial	• Continue modalities:	bar and slowly lower yourself down over 5 seconds
	physis or similar appearance	forearm massage, thoracic	6. Pull up (max 5)
	physis of similar appearance	spine upper trapezius/back	• End goal is to increase to 3 x 5 pull ups
	Brace/cast: Discontinuation of	massage	• Focus on pulling up over 5 seconds, and lowering down over 5 seconds
	cast/brace	massage	• If needed please use a resistance band to assist or start with your chin at the
	cast/oracc		bar and slowly lower yourself down over 5 seconds
			7. Leg lifts (tuck or pike, max 10)
			• If these are challenging, start with tuck leg lifts and then work to straight legs
			Don't forget to actively hang (meaning activate your scapula)
			• Goal to do 3 x 10
			Gour to do 5 x 10
			• Once numbers are established based off your one-rep max on a single rail bar, please
			perform these exercises in sets of 3 and at every gymnastics practice and when possible
			at home (as many as 5 days a week and as few as 3 days a week). If the set is getting
			easier for you, add 2-5 seconds or 2-5 more repetitions each day you do these exercises.
			caster for you, and 2 5 seconds of 2 5 more repetitions each day you do these exercises.
			• It should take 20-30 minutes to complete everything and have an adult or coach assist
			with the first week while performing this to assess for proper technique and form.
			with the first week withe performing and to assess for proper commique and form.
			• The goal of these exercises is to go SLOW and use PROPER FORM AND
			TECHNQIUE. It is better to do less numbers with perfect technique than to hold longer
			with incorrect form.
			WILLI INCOLLECT LOTHI.

Progress to phase 3 if:

- Completed hanging protocol with no pain and met the goal of the numbers
- Continues to have no pain to palpation on the distal radial physis AND no pain with hanging on the distal radial physis

Gymnast Wrist Return-to-Gymnastics Phase 3: Open Chain and Weight-Bearing Exercises

	Physical Exam Guidelines	Range of Motion	: Open Chain and Weight-Bea	Ting Exercises
	Imaging Guidelines	Guidelines	Gymnastics Specific	
	Bracing/Cast Guidelines	Strength Guidelines	Gymnastics Specific	
4-12 weeks	Physical Exam	Range of Motion	Pagin compression/waight bearing pro	togals
4-12 weeks	• Gymnast continues to be is NOT	Guidelines	• Plank-handstand: Start with holding a p	louls on floor for 15 seconds 2 times and
	tender to palpate on distal radial	• Gymnast has ROM within	increase by 5 seconds every other day uni	
	physis	5-10 degrees of the	6,7	nd be sure you are symmetric in activating
	Gymnast continues to NOT have	contralateral side	your muscles	
*Always follow	pain with weight bearing in wrist	Continue with Thoracic	•Stop if you have pain or soreness and	see soreness rules
soreness rules	extension at the distal radial physis	mobility and pectoralis		
at the end of	• Gymnast has completed the	mobility		plank handstand, you can repeat the same
the protocol	hanging protocol		process only now put your feet up on a bl	
and in Table 3*	• Gymnast has ROM within 5-10	Modalities/Strength		times and increase by 5 seconds every
	degrees of the contralateral side	<u>Guidelines</u>	other day until you get to 100 second	S
	• Gymnast has strength at the wrist,	Gymnast has strength at		
	elbow, and shoulder within 10% of	the wrist, elbow, and • Once you get to 20 seconds 3 times in a pike position, you can repeat the same		
	the contralateral side	shoulder within 10% of the	process only now do a handstand against	
		contralateral side		times and increase by 5 seconds every
	<u>Imaging</u>	Continue Modalities:	other day until you get to 100 seconds	
	• X-ray performed at 6 months from	forearm massage, thoracic		
	diagnosis: PA (90-90), lateral,	spine upper trapezius/back		handstand against the wall, you can repeat
	oblique (consideration of	massage	the same process only now do a handstan	
	contralateral x-rays for a direct			and increase by 5 seconds every other day
	comparison)		until you get to 30 seconds	
	X-rays performed may show:			
	Improvement at the distal radial		Once the initial weight bearing phase	is complete and there is no pain or
	physis or similar appearance		soreness, follow the below plans (based	off of level) and limit ALL skills to 5 or
			less per skill per event per practice unt	il clearance given by your medical
	Brace/cast:		provider.	
	Consideration of wrist guards with		Compulsory and xcel bronze to	Optional and xcel Diamond and
	return to weight bearing but only for		platinum	sapphire
	a short period of time*		<u> </u>	
	_		Week 1	Week 1
			Vault: Can do sprints or any drills that	Vault: Can do sprints or any drills that
			do not involve your hands	do not involve your hands

- routines on each event Week 2 • Vault: Same as week 1 protocol for warm up low beam single flight skills • Other: Progress conditioning to ½ the mental routines on each event Week 3
 - Bars: Can start bar basics on low bar (kips, casts, back hip circles, front hip circles, clear hips) and continue the above hanging program for warm ups
 - Beam: Continue all leaps, jumps, and
 - Floor: Cleared to start non-flight
 - Other: Start conditioning cutting the number to 1/4 of normal numbers as tolerated. PT exercises and 5 mental
 - · Bars: Can move skills from low bar to high bar and add in tap swings, and strap bar and continue the hanging
 - Beam: Can start non-flight skills on
 - Floor: see Tumbl Trak©/trampoline
 - Tumbl track/trampoline: Can start
 - normal as tolerated, PT exercises and 5
 - · Vault: can start front handsprings and ½ ons/tsuke vault timers on vault trainer
 - Bars: Continue your hanging protocol and can now progress to bar dismounts
 - Beam: Progress non-flight skills to high beam
 - Floor: Can start single flight skills
 - Tumbl Trak©/trampoline: Can progress to double flight skills
 - Other: Progress conditioning to 3/4 the normal as tolerated, PT exercises and 5 mental routines on each event

Week 4

- Bars: can start bar basics on low bar (kips, casts, back hip circles, front hip circles, clear hips) and continue the above hanging program for warm ups
- Beam: Continue all leaps, jumps, and turns and start non-flight skills on low
- Floor: Cleared to start non-flight skills
- Tumbl trak©/trampoline: Can start single flight skills
- Other: Start conditioning cutting the number to 1/4 of normal numbers as tolerated, PT exercises and 5 mental routines on each event

Week 2

- Vault: Can start front handsprings and ½ ons/tsuke vault timers on vault trainer
- Bars: Can move skills from low bar to high bar and add in clear hips, toe hands, tap swings, and strap bar including back/front giants and continue the hanging protocol for warm up
- Beam: Can progress non-flight skills to high beam
- Floor: Can start single flight skills
- Tumbl Trak©/trampoline: Can progress to double flight skills
- Other: Progress conditioning to ½ the normal as tolerated. PT exercises and 5 mental routines on each event

Week 3

- Vault: Can start yurchenko timers on a vault trainer and progress front handsprings and ½ ons/tsuke vault timers on regular table
- Bars: Can progress giants to pit bar and then to regular bar as tolerated and continue the above hanging program for warm ups
- Beam: Can start single flight skills on low beam
- Floor: Can progress to double flight skills

- Vault: Can start front handsprings or half-ons/Tsuke timer on the real vault table
- Bars: cleared for any circling element and continue the hanging protocol for warm up
- Beam: Can start single flight skills on low beam
- Floor: Can progress to double flight skills
- Tumbl Trak©/trampoline: Can progress to triple flight skills/full passes for compulsory routines and xcel bronze to platinum routines
- Other: Progress to full conditioning numbers as tolerated, PT exercises, and 5 mental routines on each event

Week 5

- Vault: Can start working yurchenko timers if previously working on a vault trainer and progress to the real vault as tolerated
- Bars: Cleared for all compulsory and xcel bronze to platinum bars and continue the hanging protocol for warm up
- Beam: Progress single flight skills to high beam, begin series on low beam and progress as tolerated to high beam, and cleared for all dismounts
- Floor: Can progress to triple flight skills/full passes for compulsory routines and xcel bronze to platinum routines Other: PT exercises and 5 mental routines on each event

Week 6

- Vault: Cleared for all compulsory and xcel bronze to platinum vaults
- Bars: Cleared for all compulsory and xcel bronze to platinum bars
- Beam: Cleared for all compulsory and xcel bronze to platinum beam

- Tumbl Trak©/trampoline: Can progress to triple flight skills/full passes for optional routines and xcel diamond to sapphire routines
- Other: Progress conditioning to 3/4 the normal as tolerated, PT exercises and 5 mental routines on each event

Week 4

- Vault: Can start yurchenko timers on the regular vault table
- Bars: Can start pirouettes and blind changes with a spot and progress as tolerated and can also begin bar dismounts in the pit and continue the above hanging program for warm ups
- Beam: Can progress single flight to high beam and start series on low beam
- Floor: Can progress to triple flight skills/full passes for optional routines and xcel diamond to sapphire routines
- Other: Progress to full conditioning numbers as tolerated, PT exercises and 5 mental routines on each event

Week 5

- Vault: Can flip and/or twist all vaults starting in the pit and progressing to a firmer surface as tolerated
- Bars: Can start release elements and progress bar dismounts to a firmer surface and continue the above hanging program for warm ups
- Beam: Can progress series to high beam and start dismounts
- Floor: Cleared for all floor for all optional and xcel diamond and sapphire levels
- Other: PT exercises and 5 mental routines on each event

Week 6

• Vault: Cleared for all vault for all optional and xcel diamond and sapphire levels

	Floor: Cleared for all compulsory a xcel bronze to platinum floor Other: PT exercises and 5 mental routines on each event	Bars: Cleared for all bars for all optional and xcel diamond and sapphire levels Beam: Cleared for all beam for all optional and xcel diamond and sapphire levels Floor: Cleared for all floor for all optional and xcel diamond and sapphire levels Other: PT exercises and 5 mental
		routines on each event

*Soreness rules:

- If no soreness, advance gymnastics per your plan.
- If sore during warm-up but soreness is gone within the first 15 minutes of practice, repeat the previous workout/skills from last practice. If elbow becomes sore during this workout, stop and take 2 days off. Upon return to gymnastics, progress back one week.
- If sore more than 1 hour after practice or the next day, take 1 day off and repeat the most recent week of your gymnastics plan.
- If sore during warm-up and soreness continues through the first 15 minutes of practice, stop gymnastics/weight bearing skills and take 2 days off. Upon return to gymnastics, drop down to the previous week.
- If you experience sharp pain in your elbow, stop what skill you are doing, tell an adult, keep track of what you were doing and 48 hours later, if you have no pain, you can try that skill again.
- If the pain comes back, please follow up with your sports medicine provider.

Elbow OCD Return-to-Gymnastics Protocol Operative Management (OATS)

Time	Plan
0-2 weeks post-op	• Brace/cast/splint: Cast
	• Imaging: Pre-op 3T Elbow MRI
	• Range of Motion: NONE
	• Modalities/Strength: NONE
	• Gymnastics Specific: NONE
2-6 weeks post-op	• Brace/cast/splint: Brace (provider dependent)
, r	• Imaging: NONE
	• Range of Motion: AROM wrist, elbow, shoulder (no resistance), thoracic, pectoralis mobility
	• Modalities/Strength: NONE
	Gymnastics Specific:
	 Be cautious that you are not causing an overuse injury to other body parts
	 Conditioning: legs, core, and back
	 At 4-6 weeks post-op running, leaps, jumps, and turns pending elbow motion*
	*Patient and family accepting the risk that the gymnast could fall onto his/her elbow
6-12 weeks post-op	• Brace/cast/splint: NONE
1	• Imaging: Possible X-ray
	• Range of Motion: PROM: Wrist, elbow, shoulder, and continue with thoracic mobility, and pectoralis mobility
	Modalities/Strength: Isometric hand, wrist, and shoulder strength
	• Gymnastics Specific:
	 Can now do leaps, jumps, walks, kicks, and turns on Tumbl Trak©/trampoline, floor, and low beam*
	*Patient and family accept the risk that the gymnast could fall onto his/her elbow
	*Limit all skills to 5-10 per skill per event to avoid overuse injuries
12 weeks post-op	• Brace/cast/splint: NONE
cossa possa op	• Imaging: Possible X-ray
	• Range of Motion: Regain full wrist, elbow, and shoulder motion
	• Modalities/Strength: Isometric elbow
	Gymnastics Specific:
	o 12-24 weeks: cleared for all "no armed/upper extremity" flight skills on Tumbl Trak©/trampoline, floor, and low beam*
	*Patient and family accept the risk that the gymnast could fall onto his/her elbow
	*Limit all skills to 5-10 per skill per event to avoid overuse injuries
6 months (24	Brace/cast/splint: possible brace to help avoid elbow hyperextension
`	• Imaging: 3T MRI
weeks) post-op	• Range of Motion: full ROM, no restrictions
	• Modalities/Strength: Isotonic strength should be within 10% of non-injured side
	• Gymnastics Specific:
	o 24-26 weeks post-op: Begin hanging protocols
	o First figure out your gymnast's hanging max baseline numbers/measurements and then using those number start at 70% of
	your maximum number to create 3 repetitions based off of that.
	,

	T c	
	Have your gymnast perform:	
	1. Straight arm hang with scapular activation (max time 60 seconds)	
	• End goal is to hold for 3 x 60 seconds	
	2. Scapular pull ups (max number 20x)	
	• End goal is to increase to 3 x 20 scapular pulls	
	3. Front grip chin hold (max time 30 seconds)	
	• End goal is to hold for 3 x 30 seconds	
	4. Reverse grip chin hold (max time 30 seconds)	
	• End goal is to hold for 3 x 30 seconds	
	5. Chin up (max 5):	
	• End goal is to increase to 3 x 5 chin ups	
	• Focus on pulling up over 5 seconds, and lowering down over 5 seconds	
	• If needed please use a resistance band to assist or start with your chin at the bar and slowly	
	lower yourself down over 5 seconds	
	6. Pull up (max 5)	
	• End goal is to increase to 3 x 5 pull ups	
	• Focus on pulling up over 5 seconds, and lowering down over 5 seconds	
	• If needed please use a resistance band to assist or start with your chin at the bar and slowly	
	lower yourself down over 5 seconds	
	7. Leg lifts (tuck or pike max 10)	
	• If these are challenging, start with tuck leg lifts and then work to straight legs	
	• Don't forget to actively hang (meaning activate your scapula)	
	• Goal to do 3 x 10	
	• Goal to do 3 x 10	
	Once numbers are established based off your one-rep max on a single rail bar, please perform these exercises in sets of 3 and	
	at every gymnastics practice and when possible at home (as many as 5 days a week and as few as 3 days a week). If the set	
	is getting easier for you, add 2-5 seconds or 2-5 more repetitions the next day you do the above exercises.	
	o It should take you 20-30 minutes to complete everything. Have an adult or coach assist with the first week while perform	
	this to access for proper technique and form.	
	o The goal of these exercises is to go SLOW and use PROPER FORM AND TECHNQIUE. It is better to do less numbers	
	with perfect technique than hold longer with incorrect form.	
25-27 weeks post-	Begin compression/weight bearing protocols:	
_	• Plank-handstand: Start with holding a plank on floor for 15 seconds 3 times and increase by 5 seconds every other day until you get	
op	to 100 seconds.	
	• Focus on activating your scapula and be sure you are symmetric in activating your muscles.	
	• Stop if you have pain or soreness and see soreness rules.	
	• Once you get to 20 seconds 3 times in your plank, you can repeat the same process, only now put your feet up on a block and be in a	
	pike position.	
	• Start with holding for 10 seconds 3 times and increase by 5 seconds every other day until you get to 100 seconds.	
	5	
	• Once you get to 20 seconds 3 times in a pike position, you can repeat the same process only now do a handstand against the wall.	
	• Start with holding for 10 seconds 3 times and increase by 5 seconds every other day until you get to 100 seconds.	
	5	

	• Once you get to 20 seconds 3 times in a handstand against the wall, you can repeat the same process only now do a handstand			
	without the wall. • Start with holding for 5 seconds 3 times and increase by 5 seconds every other day until you get to 30 seconds.			
27 36 sweets most	A B A A A A A A A A A A A A A A A A A A			
27-36 weeks post-	o 27-28 weeks post-op: Non-flight skills on low beam and floor, single flight on Tumbl Trak©/trampoline, and low bar basics (limit to 5 or less per skill per event per practice)			
op	busies (infinit to 5 of less per skin per event per practice)			
	 29-30 weeks post-op: Non-flight skills on high beam, single flight on floor, double flight on Tumbl Trak©, and high bar work (limit to 5 or less per skill per event per practice) 			
	 31-32 weeks post-op: Single flight on low beam, double flight on floor, triple flight on Tumbl Trak©, vault timer drills on vault trainer, and bar dismounts (limit to 5 or less per skill per event per practice) 			
	o 33-34 weeks post-op: Single flight on high beam, double flight/series on low beam, triple flight on floor, full clearance on Tumbl Trak©, and vault timers on regular vault/table (limit to 5 or less per skill per event per practice)			
	o 35-36 weeks post-op: Double flight on high beam, triple flight on floor, full clearance on Tumbl Trak©, bar releases, and vault flipping/twisting (limit to 5 or less per skill per event per practice)			
9 months post-op	Brace/cast/splint: No brace			
	• Imaging: No imaging			
	Range of Motion: Full ROM, no restrictions			
	Modalities/Strength: Full strength, no restrictions			
	Gymnastics Specific: Full gymnastics			

Medial Tensile Injuries Return-to-Gymnastics Protocol Women's Artistic

- 1. Phase 1: Rest and Healing Phase
- 2. Phase 2: Hanging and Closed Chain Non-Weight-Bearing Exercises
- 3. Phase 3: Open Chain and Weight-Bearing Exercises

Medial Tensile Injuries Return-to-Gymnastics Protocol Phase 1: Rest and Healing Phase

Phase 1:	Physical Exam Guidelines	Range of Motion	Gymnastics Specific
Rest and	Imaging Guidelines	Guidelines	
Healing Phase	Bracing/Cast Guidelines	Strength Guidelines	
Diagnosis till 4-	Physical Exam	Range of Motion	Please see pages 1-4 for skill descriptions
6 weeks	 Gymnast is tender to palpate on medial elbow 	Wrist and shoulder motion	
	 Pain with weight bearing in elbow extension 	Focus on thoracic mobility	Week 1: Complete rest
	 Pain in active and passive elbow flexion and extension 	 Focus on pectoralis 	
	 Missing full ROM with flexion and extension 	mobility	Week 2: Be cautious that you are not causing an overuse injury
*Always follow		 Pending elbow specific 	to other body parts.
soreness rules	<u>Imaging</u>	injury-elbow motion may be	Conditioning: Legs, core, and back
at the end of the	X-ray and MRI (at time of diagnosis)	limited	Tumbl Trak©/trampoline, floor, and low beam: leaps, jumps,
protocol and in	Pending injury may show:		turns, and kicks
Table 3*	Medial epicondylar apophysitis	<u>Strength</u>	, and the second
	Medial epicondyle fractures	 None at the elbow joint 	Week 3+: Be cautious that you are not causing an overuse
	Partial or full UCL tears	• Focus on strength at the	injury to other body parts.
		rotator cuff and periscapular	Tumbl Trak©/trampoline, floor, and low beam: back tuck, front
	Brace/cast	muscles that do not load or	tuck, aerials
	 Possible elbow brace for 4-6 weeks 	stress the elbow	*May not be allowed while in brace
		Modalities: Forearm	*Patient and family accept the risk that the gymnast could fall
		massage, and thoracic spine:	onto his/her elbow.
		upper trapezius/back	
		massage	

Can progress to phase 2 if:

- o No pain to palpation on the medial elbow
- o No pain with hanging on the medial elbow
- o Gained back almost full ROM
- Cleared by YOUR medical provider to progress to phase 2

Medial Tensile Injuries Return-to-Gymnastics Protocol Phase 2: Hanging and Closed Chain Non-Weight-Bearing Exercises

	Physical Exam Guidelines	Range of Motion	Gymnastics Specific
	Imaging Guidelines	Guidelines	•
	Bracing/Cast Guidelines	Strength Guidelines	
Always follow soreness rules at the end of the protocol and in Table 3	Physical Exam Gymnast is NOT tender to palpate on the medial elbow Gymnast does NOT have pain with weight bearing at the medial elbow Gymnast does NOT have pain in active and passive elbow flexion and extension Gymnast does NOT have pain with hanging on the medial elbow Imaging Medial apophysitis and Medial epicondyle fractures may consider x-rays which may show: Improvement at the medial apophysis or of fracture site Brace/cast Discontinuation of brace	Range of Motion Guidelines Begin wrist, elbow, and shoulder motion to within 5-10 degrees of uninjured side Continue with tthoracic mobility and pectoralis mobility Modalities/Strength Guidelines Begin Wrist/hand intrinsic strength, forearm strength, elbow, biceps, and triceps Continue with periscapular, rotator cuff Continue Modalities: forearm massage, thoracic spine upper trapezius/back massage	 Begin hanging protocols First figure out your gymnast's hanging max baseline numbers/measurements and then using those number start at 70% of your maximum number to create 3 repetitions based off of that. Have your gymnast perform Straight-arm hang with scapular activation (max time 60 seconds) End goal is to hold for 3 x 60 seconds Scapular pull ups (max number 20x) End goal is to increase to 3 x 20 scapular pulls Front grip chin hold (max time 30 seconds) End goal is to hold for 3 x 30 seconds Reverse grip chin hold (max time 30 seconds) End goal is to hold for 3 x 30 seconds Chin up (max 5): End goal is to increase to 3 x 5 chin ups Focus on pulling up over 5 seconds, and lowering down over 5 seconds If needed please use a resistance band to assist or start with your chin at the bar and slowly lower yourself down over 5 seconds Pull up (max 5) End goal is to increase to 3 x 5 pull ups Focus on pulling up over 5 seconds, and lowering down over 5 seconds If needed please use a resistance band to assist or start with your chin at the bar and slowly lower yourself down over 5 seconds It fneeded please use a resistance band to assist or start with your chin at the bar and slowly lower yourself down over 5 seconds Leg lifts (tuck or pike max 10) If these are challenging, start with tuck leg lifts and then work to straight legs Don't forget to actively hang (meaning activate your scapula) Goal to do 3 x 10 Once numbers are established based off your one rep max, on a single rail bar please perform these exercises in sets of three and at every gymnastics practice and when possible at home (as many as 5 days a week and as few as 3 days a week). If the set is getting easier for you add 2-5 seconds or 2-5 more repetitions each day you do these exercises. It should t

	•The goal of these exercises is to go SLOW and use PROPER FORM AND TECHNQIUE. It is better to do less numbers with perfect technique than to hold longer
	with incorrect form.

Can progress to Phase 3 if:

- o Completed the above hanging protocol with no pain and met the goal of the numbers
- o Continues to have:
 - o No pain to palpation on the medial aspect of the elbow
 - o No pain with hanging on the medial aspect of the elbow
 - Has symmetric ROM with elbow flexion and extension*
 - *Trying to avoid elbow hyperextension

Medial Tensile Injuries Return-to-Gymnastics Protocol Phase 3: Open Chain and Weight-Bearing Exercises

	Physical Exam Guidelines	Range of Motion	Gymnastics Specific	
	Imaging Guidelines	Guidelines		
	Bracing/Cast Guidelines	Strength Guidelines		
4-12 weeks	Physical Exam	Range of Motion	Begin compression/weight bearing pro-	tocols
	• Gymnast continues to be is NOT	Guidelines	• Plank-handstand: Start with holding a p	
	tender to palpate on the medial	Gymnast has ROM within	increase by 5 seconds every other day un	
*Always follow	elbow	5-10 degrees of the		be sure you are symmetric in activating
soreness rules	Gymnast continues to NOT have	contralateral side	your muscles.	
at the end of	pain with weight bearing at the	Continue with Thoracic	• Stop if you have pain or soreness and	l see soreness rules.
the protocol	medial elbow	mobility and pectoralis		
and in Table 3*	Gymnast has completed the	mobility	• Once you get to 20 seconds 3 times in a	plank handstand, you can repeat the same
	hanging protocol		process only now put your feet up on a bl	
	• Gymnast has ROM within 5-10	Modalities/Strength		imes and increase by 5 seconds every other
	degrees of the contralateral side*	Guidelines	day until you get to 100 seconds.	
	*Again, trying to avoid elbow	Gymnast has strength at	, , , , , , , , , , , , , , , , , , , ,	
	hyperextension	the wrist, elbow, and	• Once you get to 20 seconds 3 times in a	pike position, you can repeat the same
	• Gymnast has strength at the wrist,	shoulder within 10% of the	process only now do a handstand against	
	elbow, and shoulder within 10% of	contralateral side		imes and increase by 5 seconds every other
	the contralateral side	Continue Modalities:	day until you get to 100 seconds.	
		forearm massage, thoracic	, , , ,	
	Imaging	spine upper trapezius/back	• Once you get to 20 seconds 3 times in a	handstand against the wall, you can repeat
	No new images performed	massage	the same process only now do a handstan	
				nes and increase by 5 seconds every other
	Brace/cast		day until you get to 30 seconds.	, , ,
	Consideration of elbow braces to		, , ,	
	avoid elbow hyperextension		Once the initial weight bearing phase is complete and there is no pain or	
	31		soreness follow the below plans (based off of level) and limit ALL skills to 5 or	
			less per skill per event per practice until clearance given by your medical	
			provider.	
			Compulsory and xcel bronze to	Optional and xcel Diamond and
			platinum:	sapphire:
			•	**
			Week 1	
			•Vault: can do sprints or any drills that	Week 1
			do not involve your hands	•Vault: Can do sprints or any drills that
			•Bars: can start bar basics on low bar	do not involve your hands
			(kips, casts, back hip circles, front hip	•Bars: Can start bar basics on low bar
			circles, clear hips) and continue the	(kips, casts, back hip circles, front hip
			above hanging program for warm ups	circles, clear hips) and continue the above
			•Beam: Continue all leaps, jumps, and	hanging program for warm ups
			turns	•Beam: Continue all leaps, jumps, and
			•Floor: Cleared to start non-flight skills	turns and start non-flight skills on low
			The second of th	beam •Floor: Cleared to start non-flight
		1	l	ovall 11001. Croured to built from Hight

•Other: Start conditioning cutting the skills •Tumbl trak©/trampoline: Can start number to 1/4 of normal numbers as single flight skills tolerated. PT exercises and 5 mental •Other: Start conditioning cutting the routines on each event number to 1/4 of normal numbers as tolerated. PT exercises and 5 mental Week 2 routines on each event •Vault: same as week 1 Week 2 •Bars: can move skills from low bar to •Vault: Can start front handsprings and ½ ons/tsuke vault timers on vault trainer high bar and add in tap swings, and strap bar and continue the hanging •Bars: Can move skills from low bar to protocol for warm up high bar and add in clear hips, toe hands, •Beam: Can start non-flight skills on tap swings, and strap bar including low beam back/front giants and continue the •Floor: see Tumbl Trak©/trampoline hanging protocol for warm up •Tumbl track/trampoline: Can start •Beam: Can progress non-flight skills to single flight skills high beam •Other: Progress conditioning to ½ the •Floor: Can start single flight skills normal as tolerated, PT exercises and 5 •Tumbl Trak©/trampoline: Can progress mental routines on each event to double flight skills •Other: Progress conditioning to ½ the normal as tolerated. PT exercises and 5 Week 3 •Vault: Can start front handsprings and mental routines on each event ½ ons/tsuke vault timers on vault trainer Week 3 •Bars: Continue your hanging protocol •Vault: Can start yurchenko timers on a and can now progress to bar dismounts vault trainer and progress front handsprings and ½ ons/tsuke vault timers •Beam: Progress non-flight skills to high beam on regular table •Floor: Can start single flight skills •Bars: Can progress giants to pit bar and •Tumbl Trak©/trampoline: Can then to regular bar as tolerated and progress to double flight skills continue the above hanging program for •Other: Progress conditioning to 3/4 the warm ups normal as tolerated. PT exercises and 5 •Beam: Can start single flight skills on mental routines on each event low beam •Floor: Can progress to double flight Week 4 skills •Vault: Can start front handsprings or •Tumbl Trak©/trampoline: Can progress half-ons/Tsuke timer on the real vault to triple flight skills/full passes for table optional routines and xcel diamond to •Bars: cleared for any circling element sapphire routines and continue the hanging protocol for •Other: Progress conditioning to 3/4 the warm up normal as tolerated, PT exercises and 5 •Beam: Can start single flight skills on mental routines on each event low beam

	•Floor: Can progress to double flight	Week 4
	skills	•Vault: Can start yurchenko timers on the
	•Tumbl Trak©/trampoline: Can	regular vault table
	progress to triple flight skills/full	Bars: Can start pirouettes and blind
	passes for compulsory routines and	changes with a spot and progress as
	xcel bronze to platinum routines	tolerated and can also begin bar
	•Other: Progress to full conditioning	dismounts in the pit and continue the
	numbers as tolerated, PT exercises and	above hanging program for warm ups
	5 mental routines on each event	•Beam: Can progress single flight to high
		beam and start series on low beam
	Week 5	•Floor: Can progress to triple flight
	•Vault: Can start working yurchenko	skills/full passes for optional routines and
	timers if previously working on a vault	xcel diamond to sapphire routines
	trainer and progress to the real vault as	•Other: Progress to full conditioning
	tolerated	numbers as tolerated, PT exercises and 5
	Bars: Cleared for all compulsory and	mental routines on each event
	xcel bronze to platinum bars and	The state of the s
	continue the hanging protocol for warm	Week 5
	up	•Vault: Can flip and/or twist all vaults
	•Beam: Progress single flight skills to	starting in the pit and progressing to a
	high beam, begin series on low beam	firmer surface as tolerated
	and progress as tolerated to high beam,	Bars: Can start release elements and
	1 0	
	and cleared for all dismounts	progress bar dismounts to a firmer
	•Floor: Can progress to triple flight	surface and continue the above hanging
	skills/full passes for compulsory	program for warm ups
	routines and xcel bronze to platinum	•Beam: Can progress series to high beam
	routines •Other: PT exercises and 5	and start dismounts
	mental routines on each event	•Floor: Cleared for all floor for all
		optional and xcel diamond and sapphire
	Week 6	levels
	•Vault: Cleared for all compulsory and	•Other: PT exercises and 5 mental
	xcel bronze to platinum vaults	routines on each event
	Bars: Cleared for all compulsory and	
	xcel bronze to platinum bars	Week 6
	Beam: Cleared for all compulsory and	Vault: Cleared for all vault for all
	xcel bronze to platinum beam	optional and xcel diamond and sapphire
	Floor: Cleared for all compulsory and	levels
	xcel bronze to platinum floor	Bars: Cleared for all bars for all optional
	Other: PT exercises and 5 mental	and xcel diamond and sapphire levels
	routines on each event	Beam: Cleared for all beam for all
		optional and xcel diamond and sapphire
		levels
		• Floor: Cleared for all floor for all
		optional and xcel diamond and sapphire
		levels

F		
		 Other: PT exercises and 5 mental
		routines on each event

*Soreness rules

- If no soreness, advance gymnastics per your plan
- If sore during warm-up but soreness is gone within the first 15 minutes of practice, repeat the previous workout/skills from last practice. If elbow becomes sore during this workout, stop and take 2 days off. Upon return to gymnastics, progress back one week.
- If sore more than 1 hour after practice, or the next day, take 1 day off and repeat the most recent week of your gymnastics plan.
- If sore during warm-up and soreness continues through the first 15 minutes of practice, stop gymnastics/weight bearing skills and take 2 days off. Upon return to gymnastics, drop down to the previous week.
- If you experience sharp pain in your elbow stop what skill you are doing, tell an adult, keep track of what you were doing and 48 hours later if you have no pain you can try that skill again.
- If the pain comes back, please follow up with your sports medicine provider.

Shoulder Instability Return-to-Gymnastics Protocol Operative Management

Time	Plan
0-6 weeks post-op	 Brace/cast/splint/sling: Sling Imaging: Pre-op 3T MRI with or without contrast Range of Motion: Gentle elbow and wrist motion Pendulums PROM 4 weeks post-op: Forward elevation 0 to 90°, external rotation 0 to 30°, and full internal ROM AROM at 4 weeks post-op: Full internal motion Modalities/Strength: NONE Gymnastics Specific: NONE
6-8 weeks post-op	 Brace/cast/splint: No sling Imaging: NONE Range of Motion: Thoracic, pectoralis mobility PROM: Full forward elevation, external rotation 0 to 45°, AROM: External rotation 0 to 45°, Modalities/Strength: Begin strength with external rotation, internal rotation, forward punch, seated rows, shrugs, and curls Keep Hands within eyesight, minimize overhead movements No military press, pulldowns behind neck, or wide-grip bench Gymnastics Specific: Be cautious that you are not causing an overuse injury to other body parts Conditioning: legs, core, and back 6 weeks return-to-running program* 7-8 weeks can start with beginner/basic leaps, jumps, and turns on floor and low beam pending shoulder motion* *Patient and family accepting the risk that the gymnast could fall onto his/her shoulder *Limit all skills to 5-10 per skill per event to avoid overuse injuries
8-12 weeks post-op	 Brace/cast/splint: NONE Imaging: no imaging Range of Motion: Focus on regaining full wrist, elbow, and shoulder motion and continue with thoracic mobility, pectoralis mobility Modalities/Strength: strength should be getting closet to 10-20% of non-operative side Gymnastics Specific: Can now do more advanced leaps, jumps, walks, kicks, and turns on Tumbl Trak@/trampoline, floor, and low beam* *Patient and family accepting the risk that the gymnast could fall onto his/her elbow *Limit all skills to 5-10 per skill per event to avoid overuse injuries

12	Purce/cont/orthut NONE			
12 weeks post-op	Brace/cast/splint: NONE			
	 Imaging: no imaging Range of Motion: Full wrist, elbow, and shoulder motion 			
	Gymnastics Specific: Begin hanging protocols			
		First figure out your gymnast's hanging max baseline numbers/measurements and then using those number, start		
	at 70% of your maximum number to create 3 repetitions based off of that.			
	Have your gymnast perform:			
	1. Straight arm hang with scapular activation (max time 60 seconds)			
	• End goal is to hold for 3 x 60 seconds			
	2. Scapular pull ups (max number 20x)			
	• End goal is to increase to 3 x 20 scapular pulls			
	3. Front grip chin hold (max time 30 seconds)			
	• End goal is to hold for 3 x 30 seconds			
	4. Reverse grip chin hold (max time 30 seconds)			
	• End goal is to hold for 3 x 30 seconds			
	5. Chin up (max 5):			
	• End goal is to increase to 3 x 5 chin ups			
	• Focus on pulling up over 5 seconds, and lowering down over 5 seconds			
	• If needed please use a resistance band to assist or start with your chin at the bar and slowly			
	lower yourself down over 5 seconds			
	6. Pull up (max 5)• End goal is to increase to 3 x5 pull ups			
	• Focus on pulling up over 5 seconds, and lowering down over 5 seconds			
	• If needed please use a resistance band to assist or start with your chin at the bar and slowly			
	lower yourself down over 5 seconds			
	7. Leg lifts (tuck or pike max 10)			
	• If these are challenging, start with tuck leg lifts and then work to straight legs			
	• Don't forget to actively hang (meaning activate your scapula)			
	• Goal to do 3 x 10			
	Once numbers are established based off your one-rep max, on a single rail bar please perform these exercises in			
	sets of three and at every gymnastics practice and when possible at home (as many as 5 days a week and as few as			
	3 days a week). If the set is getting easier for you add 2-5 seconds or 2-5 more repetitions each day you do the above exercises.			
	It should take you 20-30 minutes to complete everything and have an adult or coach assist with the first week while performing this to access for proper technique and form			
	The goal of these exercises is to go SLOW and use PROPER FORM AND TECHNQIUE. It is better to do less			
	numbers with perfect technique than hold longer with incorrect form.			
15-16 weeks post-op	Begin compression/weight bearing protocols			
13-10 weeks post-op	Plank-handstand: Start with holding a plank on floor for 15 seconds 3 times and increase by 5 seconds every other day			
	until you get to 100 seconds			
	Focus on activating your scapula and be sure you are symmetric in activating your muscles			
	• Focus on activating your scapula and be sure you are symmetric in activating your muscles			

	Stop if you have pain or soreness and see soreness rules
	• Once you get to 20 seconds 3 times in your plank, you can repeat the same process only now put your feet up on a
	block and be in a pike position
	 Start with holding for 10 seconds 3 times and increase by 5 seconds every other day until you get to 100 seconds
	 Once you get to 20 seconds 3 times in a pike position, you can repeat the same process only now do a handstand against the wall
	 Start with holding for 10 seconds 3 times and increase by 5 seconds every other day until you get to 100 seconds
	 Once you get to 20 seconds 3 times in a handstand against the wall, you can repeat the same process, only now do a handstand without the wall
	 Start with holding for 5 seconds 3 times and increase by 5 seconds every other day until you get to 30 seconds
	 Once the above has been completed and you have no pain, can start with non-flight skills (limited to 5 or less of each skill) on floor exercise
17-26 weeks post-op	 17-18 weeks post-op: Non-flight skills on low beam and floor, single flight on Tumbl Trak©/trampoline, and low bar basics (limit to 5 or less per skill per event per practice)
	 19-20 weeks post-op: Non-flight skills on high beam, single flight on floor, double flight on Tumbl Trak©, and high bar work (limit to 5 or less per skill per event per practice)
	 21-22 weeks post-op: Single flight on low beam, double flight on floor, triple flight on Tumbl Trak©, vault timer drills on vault trainer, and bar dismounts (limit to 5 or less per skill per event per practice)
	o 23-24 weeks post-op: Single flight on high beam, double flight/series on low beam, triple flight on floor, full clearance on Tumbl Trak© and vault timers on regular vault/table (limit to 5 or less per skill per event per practice)
	 25-26 weeks post-op: Double flight on high beam, triple flight on Floor, full clearance on Tumbl Trak©, bar releases, and vault flipping/twisting (limit to 5 or less per skill per event per practice)
6 to 6.5 months post-	Brace/cast/splint: No brace
ор	Imaging: No imaging
· r	Range of Motion: Full ROM, no restrictions
	Modalities/Strength: Full strength, no restrictions
	Gymnastics Specific: Full gymnastics