

Empower Your Patients with Active Care

The Standard of Excellence



BREAKTHROUGH Dr. Vladimir Janda: The Crossed Syndromes

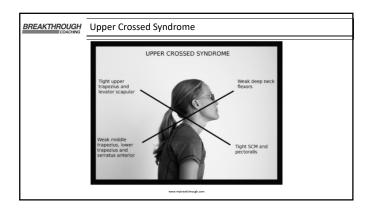
- Combined therapy and medicine in a hands on approach—a pioneer in the practice of physical medicine and rehabilitation.
- Published more than 16 books and 200 papers.
- Defined crossed syndromes in 1979.
- Emphasized that the sensorimotor system, composed of sensory system and motor system, could not be functionally divided.
- He emphasized the importance of proper proprioception.

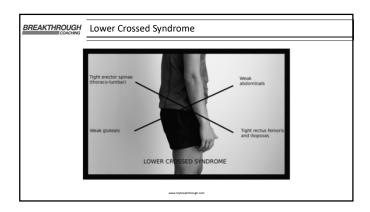


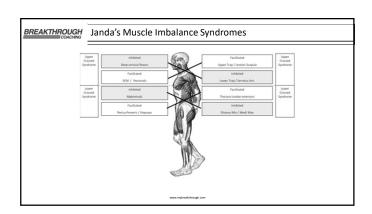
BREAKTHROUGH Neurodevelopmental Locomotor Patterns

- Tonic Muscle System: prone towards tightness.
- Phasic Muscle System: prone towards weakness.
- Work together synchronously through co-activation for posture, gait and coordinated movement.









BREAKTHROUGH Movement Pattern Analysis

- There are predictable muscle imbalances present in most of the patients you see.
- Six movement pattern tests screen for the proper functioning of the majority of the clinically significant muscles we address.



BREAKTHROUGH 6 Movement Patterns

- 1. Prone Hip Extension
- 2. Hip Abduction
- 3. Trunk Curl
- 4. Seated Arm Abduction
- 5. Trunk Lowering From Push Up
- 6. Supine Neck Flexion

BREAKTHROUGH 1. Prone Hip Extension

- Palpation of the posterior musculature reveals a pattern of contraction from caudad to cephlad
- Hamstrings then Gluteus maximus then Erector spinae
- Premature contraction of a muscle indicates overactivity



BREAKTHROUGH 2 Hip Abduction

- Hip Hiking: Overactive Quadratus lumborum
- Ratcheting: Inhibited Hip Abductors
- Anterior leg excursion: Overactive Iliopsoas.
- Posterior leg excursion: Overactive Hamstrings.
- External Rotation: Overactive Piriformis
- Internal Rotation: Overactive TFL



BREAKTHROUGH 3. Trunk Curl

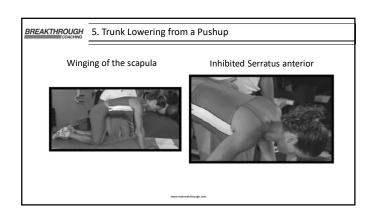
- Ratcheting: Inhibited Abdominals & Overactive Erector spinae
- Foot lift prior to 30° of Flexion: Overactive Iliopsoas
- Chin poking: Overactive SCM and Suboccipitals

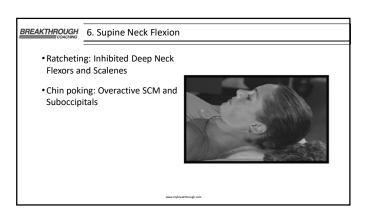


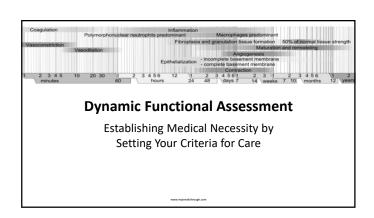
BREAKTHROUGH 4. Seated Arm Abduction

- Elevated shoulder girdle prior to 30° of Arm Abduction:
 - Overactive Upper Trapezius and Levator scapulae
 - Inhibited Serratus Anterior and **Lower Trapezius**









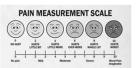
Functional Capacities Evaluation

- Alaranta: 4 tests are safe, inexpensive, time efficient, reliable, and comparable to normative databases.
- Sorensen's Static Trunk Extensor **Endurance** has been shown to predict recurrence rates of low back pain in asymptomatic individuals.

Patient Name		Patient No.	
Date of Evansination			
Cynamic Strength	and Endurance Test	*	
1. Repetitive Arch 1	ije		
2. Aspettive Sit Up		/10	
3. Repetitive Square		/ 50 (heet shoulder	with spet)
4. State Back End	rance	/240 sec.	
Fiener Edward	fato		
5. Next Sellife	_	()=_8=	CF E Ratio
6. Neck Flor Life.		()wbw.	01.4
7. Low Buck Ext.		()wbw.	(FE Rate
8. Low Back Flex		()w'bwt	
Balance and Coon	deution Yests		
9. One Lag Stande Eyes Open	g age 20-50 L00 sec R00 sec	100 mm 1 00 mm 2 00 mm	100 70-70 1
Eyes Closed	5 (5 and 8 (5 and	1_10 mi	125
Range of Motion 5	ests		
10 Older CROW /	-E-UNIF-Rel .	/3650eg	
11. Global T-LROW	F-E-LEUT .	/175deg	
Ted Performed by		Outer	

BREAKTHROUGH When to Perform Functional Capacities Evaluation

- When should a physical capacity evaluation be performed?
- As soon as the patient is out of acute pain.
- This is when the goal of care transitions from pain relief to functional restoration and these tests are important for establishing clear goals.



BREAKTHROUGH Functional Capacities Evaluation Guidelines

- Patient warm-up for 5 minutes prior to beginning testing (bicycle/ergometer).
- Tests are retested in the same order.
- 1-minute interval between each test.
- Tester may count repetitions aloud but should remain as neutral as possible.
- $\bullet \, \text{Test}$ terminated if patient told more than one time to correct trunk motion.
- Patient informed about possible mild muscle pain during the days following the test.

BREAKTHROUGH Repetitive Squat

- Patient Position: The patient stands with feet shoulder-width apart.
- Technique: The patient squats until thighs are horizontal and returns to upright position. Each repetition rate is 1-3 seconds. Repeat to maximum.
- Observe: Count number of repetitions (max. 50).
- The normative data for dynamic squatting endurance is segregated by age, sex and occupation.

BREAKTHROUGH Repetitive Squat



BREAKTHROUGH Repetitive Squat

	Males (n=242)					t) Females (n=233)						
Age	Blue Collar		White Collar		All		Blue Collar		White Collar		All	
	X	SD	X	SD	X	SD	X	SD	X	SD	X	SD
35-39	39	13	46	8	42	12	24	11	27	12	26	12
40-44	34	14	45	9	38	13	22	13	18	8	20	12
45-49	30	12	40	- 11	33	13	19	12	26	13	22	13
50-54	28	14	41	- 11	33	14	13	10	18	14	Щ	- 11
35-54	33	14	43	10	(37)	13	20	12	23	12	(21)	12

BREAKTHROUGH Repetitive Sit-Up

- Patient position: The patient is supine, knees flexed 90 and ankles fixed.
- Technique: Patient sits up until touching the thenar-hand to patella, and curls back down to the supine position.
- Observe: Count number of repetitions (max. 50).
- The normative data for dynamic trunk flexor endurance segregated by age, sex $\,$ and occupation.

BREAKTHROUGH Repetitive Sit-Up



BREAKTHROUGH Repetitive Sit-Up

	Males (n=242)							Females (n=233)						
Age	Blue Collar		White Collar		All		Blue Collar		White Collar		All			
	X	SD	X	SD	X	SD	X	SD	X	SD	X	SD		
35-39	29	13	35	13	32	13	24	12	30	16	27	14		
40-44	22	11	34	12	27	13	18	12	19	13	19	12		
45-49	19	11	33	15	24	14	17	14	22	15	19	14		
50-54	17	13	36	16	23	16	9	10	20	13	Щ	11		
35-54	23	13	35	13	(27)	14	17	13	24	15	(19)	14		

BREAKTHROUGH Static Back Endurance Test

- Examiner Position: The doctor is at the side of the table holding the patient's ankles (strap is ideal). Alternatively, a Roman chair can be
- Patient position: The patient is prone with the inguinal region at the end of the table; arms at sides, ankles fixed and holding horizontal
- Technique: The patient maintains the horizontal position as long as
- Observe: Time the duration the position can be held (max. 240 seconds).

BREAKTHROUGH Static Back Endurance Test





BREAKTHROUGH Static Back Endurance Test

			Males (r	=242)				1	Females (n=233)		
Age	Blue Collar		White Collar		All		Blue Collar		White Collar		All	
	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD
35-39	87	38	113	47	97	43	91	61	95	48	93	55
40-44	83	51	129	57	101	57	89	57	67	51	80	55
45-49	81	45	131	64	99	58	90	55	122	73	102	64
50-54	73	47	121	56	89	55	62	55	99	78	69	60
35-54	82	45	123	55	(97)	53	82	58	94	62	87	59



Soft Tissue Techniques

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BREAKTHROUGH Soft Tissue Techniques

- Certain soft-tissue techniques, such as kinesiological and myofascial approaches, have been found to be effective in normalizing the balancing capabilities of the position receptors.
- Trigger-point therapy (using ischemic compression, spray and stretch, or injections) seems to be able to correct imbalances in muscle tone and tension that are perpetuated by sensory receptor



BREAKTHROUGH Stretching Procedures

- The more effective stretching maneuvers take advantage of our knowledge of the proprioceptive responses in the muscles and joints.
- A list of some of the more popular procedures includes: active release (Leahy technique), contract-relax (CRAC), muscle energy techniques, postisometric relaxation (Lewitt technique), and proprioceptive neuromuscular facilitation (PNF).
- \bullet By activating and coordinating the muscle spindles and the mechanoreceptors, these stretching procedures can be very effective in chronic cases.

BREAKTHROUGH Post Isometric Relaxation

- Post Isometric Relaxation is a technique developed by Dr. Karel Lewit.
- PIR is the effect of the decrease in muscle tone in a single or group of muscles, after a brief period of submaximal isometric contraction.
- PIR works on the concept of autogenic inhibition.



BREAKTHROUGH Post Isometric Relaxation

- PIR is a gentle muscle relaxation technique that can be used to restore a muscle to its maximum length without dynamic stretching.
- There should be no pain.
- The patient is asked to resist with only minimal force (isometrically) and to breathe in for 8-10 seconds.
- Give the patient the auditory cue, "Don't let me move you."

BREAKTHROUGH Post Isometric Relaxation

- •The patient is then told to "let go" (relax) and exhale slowly.
- It is important for the therapist to wait to feel the relaxation.
- The therapist could wait 7-10 seconds or longer as long as relaxation is taking place.
- $\bullet\,\mbox{Due}$ to pure relaxation there should be an increase in the range of
- If the patient has difficulty relaxing, hold the isometric phase for 30 seconds before having the patient "let go."

BREAKTHROUGH Post Isometric Relaxation

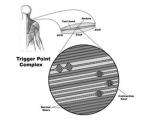
- \bullet Usually three to five times is all that is necessary to obtain spontaneous stretch each session.
- Along with the breathing, having the patient look up (with the eyes
- This helps facilitate the inspiration, which facilitates the muscle.
- Have the patient look down during expiration to aid in relaxation.

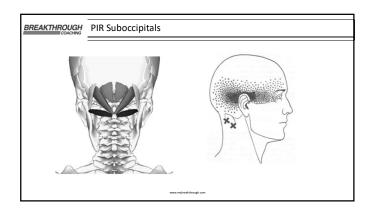
BREAKTHROUGH Post Isometric Relaxation

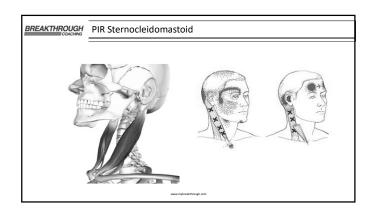
- The following script helps patients get the hang of it.
- Explain the purpose of the stretch: to lengthen the small but tightly knotted part of the involved muscle.
- "Stretching pulls the knot loose, and when you release the stretch, fresh blood flows through the painful area of muscle. This washes away the pain-causing chemicals trapped in the knot."

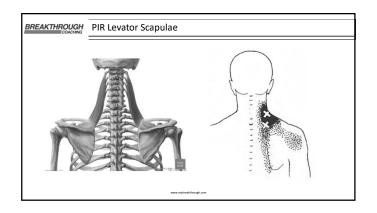
BREAKTHROUGH Trigger Points

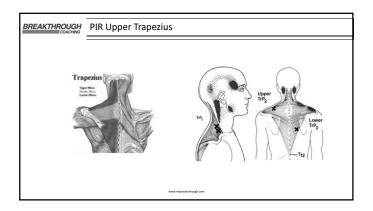
- Trigger points are discrete, focal, hyperirritable spots located in a taut band of skeletal muscle. The spots are painful on compression and can produce referred pain, referred tenderness, motor dysfunction, and autonomic phenomena.
- They are often found in overactive muscles and can be released with manual therapy techniques such as PIR.

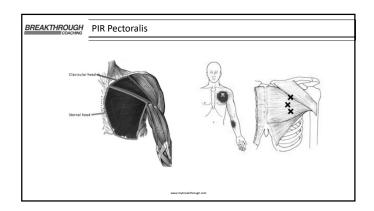


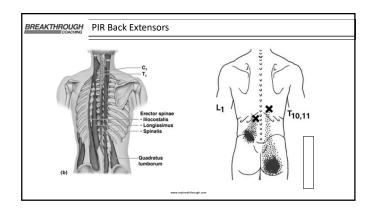


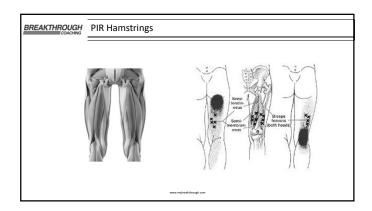


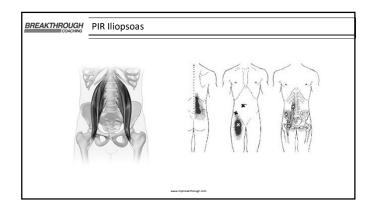


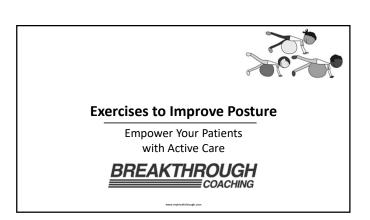








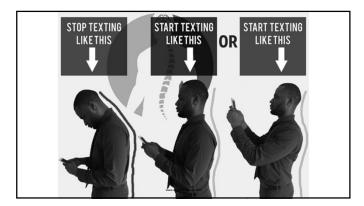




BREAKTHROUGH Chin Tuck

- This exercise can be done sitting or standing.
- Start with your shoulders rolled back and down.
- While looking straight ahead, place two fingers on your chin, slightly tuck your chin and move your head back (image at right). Hold for 3-5 seconds and then release. Repeat 10 times.
- Tip: The more of a double chin you create, the better the results. If you're in a parked car, try doing the Chin Tuck pressing the back of your head into the headrest for 3-5 seconds. Do 15-20 repetitions.





BREAKTHROUGH Wall Angels

- Stand with your back against a flat wall with your feet about four inches from the base.
- Maintain a slight bend in your knees. Your glutes, spine and head should all be against the wall.
- Bring your arms up with elbows bent so your upper arms are parallel to the floor and squeeze your shoulder blades together, forming a letter "W". Hold for 3 seconds.
- Next, straighten your elbows to raise your arms up to form the letter "Y." Make sure not to shrug your shoulders to your ears.
- Repeat this 10 times, starting at "W," holding for 3 seconds and then raising your arms into a "Y."
- Do 2-3 sets.



BREAKTHROUGH Doorway Stretch

- · Standing in a doorway, lift your arm so it's parallel to the floor and bend at the elbow so your fingers point toward the ceiling. Place your hand on the doorjamb.
- Slowly lean into your raised arm and push against the doorjamb for 7-10 seconds.
- Relax the pressure and then press your arm against the doorjamb again, this time coming into a slight lunge with your legs so your chest moves forward past the doorjamb for 7-10 seconds.
- Repeat this stretch two to three times on each side.



BREAKTHROUGH Hip Flexor Stretch

- Kneel onto your right knee with toes down, and place your left foot flat on the floor in front of you.
- Place both hands on your left thigh and press your hips forward until you feel a good stretch in the hip flexors.
- Contract your abdominals and slightly tilt your pelvis back while keeping your chin parallel to the floor.
- Hold this pose for 20-30 seconds and then switch sides.





Your Friend the Foam Roller

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BREAKTHROUGH Tips for Effective Foam Rolling

- Fascia is a thick, fibrous web of tissue. As such, it can't be released with a quick pass of the foam roller.
- \bullet You need to be slow and deliberate in your movements.
- \bullet Once you find a sensitive area, slowly work back and forth over the spot.
- Start with half your body weight, using your hands or other leg to adjust pressure, and slowly work into full body weight.
- The maximum amount of time you should spend on any one area is 20
- After this, you only risk irritating the spot more than you're helping it.

BREAKTHROUGH Neck Extensors

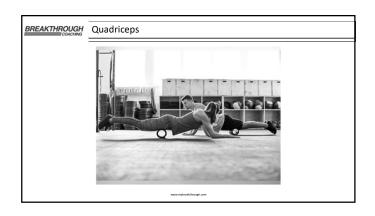


BREAKTHROUGH Thoracic Spine Extensors









BREAKTHROUGH Orthotic Supports

- Patients with proprioceptive imbalances often benefit from various external supports to help them achieve proper body positioning.
- These may include custommade, flexible orthotics for the foot and ankle, cervical pillows for chronic neck pain, and chair supports to provide alignment of the back during sitting.





BREAKTHROUGH The Kinetic Chain

- •The foot is the base of the lower quarter kinetic chain.
- If not managed properly, imbalances in the feet can ultimately cause secondary problems elsewhere up the



Training Proprioception

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BREAKTHROUGH Why Proproiception?

Research Letter

Mortality From Falls Among US Adults Aged 75 Years or Older, 2000-2016

Klaas A. Hartholt, MD, PhD^{1} ; Robin Lee, PhD, MPH^{2} ; Elizabeth R. Burns, MPH^{2} ; $\underline{et\,al}$

➤ Author Affiliations | Article Informa

JAMA. 2019;321(21):2131-2133. doi:10.1001/jama.2019.4185

Fatal falls on the rise for seniors

BREAKTHROUGH The Levels

- Patients must be able to master an NMR exercise to a level B for 1 week or 3 visits, which ever comes first (this includes the instruction visit) or a Level C for 1 visit before progressing from one to the next the next Step of NMR.
- Level A = Assisted (Exercise with Assistance)
- Level B = Basic (Exercise without Assistance)
- Level C = Challenged (Basic Exercise with the addition of extremity movement)

BREAKTHROUGH The Levels

- A patient may begin any exercise at a level other than B, but he or she may not advance to the next stage until all exercises within a stage are $% \left(1\right) =\left(1\right) \left(1\right) \left$ at a minimum Level B for one week or three visits (including the instruction visit).
- This means that some patients may not advance as quickly as others. Slow progress may indicate the necessity to alter the treatment plan and should be brought to the doctor's attention.
- A re-evaluation may be scheduled with the doctor or physical therapist and additional recommendations may be made at the time.

BREAKTHROUGH The 80%

- This program is organized to rehabilitate the average patient to the point of pre-injury function that is mindful of office flow and patients'
- Approximately 80% of patients should be able to perform NMR to the final stage of Stability ball exercises within a 3-month period.
- If patients progress is delayed, or they plateau at a particular stage of NMR exercises, without being able to advance to a level B, it may be necessary to re-examine the treatment protocol.
- The doctor and/or therapist should review all notes on a weekly basis screening for patients who fall outside of the 80%.

BREAKTHROUGH Slow & Controlled Exercises

- Advances have been made in methods for strengthening postural muscles based on our knowledge of proprioception.
- Since postural (especially back and neck) muscles are tonic, slow-twitch muscles, we must use slow and controlled exercises in an upright position, in order to stimulate and normalize input from position receptors.



BREAKTHROUGH Step 1: Posterior Pelvic Tilt

Level A:

- 1. Lie flat on your back with your hands flat on the floor. Therapist puts hand, palm up, under low back to accentuate position.
- 2. Bend your knees and keep your feet flat on the floor. Press your lower back onto the floor while pulling up and in with the muscles of the lower abdomen.
- 3. Hold the contracted position for 10 seconds, relax and rest 3 seconds. Perform 10 repetitions.



BREAKTHROUGH Step 1: Posterior Pelvic Tilt

- Level B Pelvic Tilt:
- Instruction: Patient is supine; performs exercise unassisted. Hold for 10 second intervals, repeat, 10 times.
- Level C Pelvic Tilt:
- Instruction: Patient is supine; performs unassisted. Lift one leg at a time alternating, Holding for 10 second intervals, repeat, 10 times.
- $\bullet\,\mbox{This}$ exercise is the foundation for all other NMRs, which must be performed with a proper pelvic tilt.

BREAKTHROUGH Step 2: Unilateral Lower Extremities

- Standing Posterior Pelvic Tilt:
- Patient stands on each leg 10 times for 10 seconds or to the point of fatigue.
- Level A:
- The patient is allowed to use a chair or wall to balance him or herself during exercise.



BREAKTHROUGH Step 2: Unilateral Lower Extremities

- Level B: The patient can perform the exercise without assistance.
- Level C: The patient is instructed to trace out the letters of the alphabet (A-E) with the toe of the raised leg.



BREAKTHROUGH Step 2: Unilateral Lower Extremities

Normative Data							
AGE (years)	EYES OPEN (seconds)	EYES CLOSED (seconds)					
20-59	29-30	21-28.8					
60-69	22.5	10					
70-79	14.2	4.3					

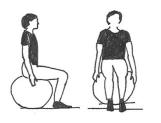
BREAKTHROUGH Stability Trainers

- Thera-Band® Stability Trainers are closed cell foam pads with an anti-slip ridged surface and oval foot fitting shape.
- These foam pads are very effective for balance training, rehabilitation of lower extremities, and for sports performance enhancement.



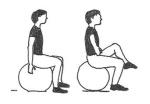
BREAKTHROUGH Step 3: Seated Stability Ball

- The patient sits on the ball, feet at shoulder length apart. The patient assumes a position of a pelvic tilt with erect spinal posture.
- Level A: Basic Bounce. Starting Position: Sit correctly on the ball in optimal posture.
- Movement/Exercise: Begin bouncing by pushing feet into the floor and tightening thigh and hip muscles to slightly lift trunk, relax. Continue bouncing by alternately tightening and relaxing these muscles as vigorously as balance, coordination and comfort allow in optimal posture.



BREAKTHROUGH Step 3: Seated Stability Ball

- Level B:
- The patient raises one heel at time until he or she can perform a small march by lifting one foot at a time completely off the ground.
- Perform 10 repetitions per foot.



BREAKTHROUGH Step 3: Seated Stability Ball

- Level C:
- The patient straightens out one leg at a time so that it is parallel with the ground.
- Perform 10 repetitions per leg.



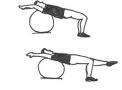
BREAKTHROUGH Step 4: The Bridge

- The patient forms a bridge between his or her body and a stability ball.
- Level A:
- The patient places his or her shoulders on the ball and feet on the floor, and raises into a bridge.
- Maintain posterior pelvic tilt.



BREAKTHROUGH Step 4: The Bridge

- Level B:
- The patient raises up to bridge position and then lifts his or her heels from the ground one at a time and performs a small march with his or her feet.
- Level C:
- The patient bridges up and straightens out one leg at a time so that it is parallel with the ground.



BREAKTHROUGH Step 5: Abdominal Curl Up

- $\mbox{\ensuremath{\bullet}}$ The patient sits on the ball and then slides the buttocks forward until the shoulders are on the ball and the body forms a bridge with the floor.
- Level A:
- The patient slowly curls up by raising his or her shoulders up from the ball while reaching, with arms extended, for the





BREAKTHROUGH Step 5: Abdominal Curl Up

- Level B:
- The patient curls up with arms folded across the chest.
- The patient curls up with the hand placed lightly by the side of his or her head at the ears.
- To avoid straining the neck, it is important not to interlock the fingers behind the neck while performing this exercise.



BREAKTHROUGH Step 6: Superman on Stability Ball

• Instruction: The patient kneels with the ball in front of them in a "prayer position". With the heels against a wall, the patient extends his or her body forward.



- It is essential that proper alignment be maintained during this NMR.
- The patient performs the Superman position with arms at his or her



BREAKTHROUGH Step 6: Superman on Stability Ball

- Level B:
- The patient performs the Superman position and then extends both arms out in front of them as though



- Level C:
- The patient performs the flying position and then performs a freestyle-stroke swimming motion with his or her arms.







Closed-chain Exercising

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BREAKTHROUGH Closed Chain Exercises

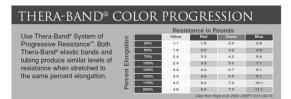
- · Closed-chain exercising (whether stretching or strengthening) is being used much more frequently in sports and rehabilitation.
- By keeping the body upright and weight-bearing during exercising, all of the proprioceptors are recruited to condition the muscle and joints.
- This provides a rapid and appropriate neuromuscular learning experience, and allows the skills practiced to be used in functional everyday and sports-specific situations.



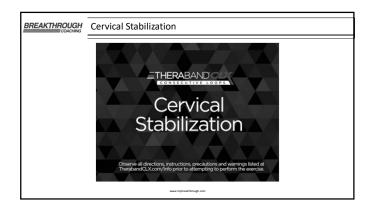
BREAKTHROUGH Theraband® CLX

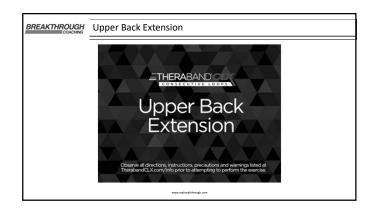
- \bullet TheraBand $^{\mbox{\tiny \mathbb{R}}}$ CLX Consecutive Loops deliver versatility and ease of use that change how people experience exercise and rehab.
- It's all in the loops, which are versatile, and simple.
- According to multiple studies, the elastic resistance used in TheraBand® CLX Consecutive Loops is equivalent to weight training in strength curve, muscle activation, perceived exertion, and strength
- $\bullet\,\mbox{The CLX}$ loops provide multiple, unique grip and anchor options.

BREAKTHROUGH Theraband®











Correct Coding

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BR	EA	KT	THE	30	UGI

Three Spinal CMT Codes

• 98940:

• One to two spinal regions

•98941:

• Three to four spinal regions

• 98942:

• Five spinal regions

According to CMS:

• 98940: 35%

•98941: 55%

•98942: 10%

• Full Spine Adjustment: Remember that you are counting regions and not vertebral

segments.

BREAKTHROUGH Five Extraspinal Regions

- 98943: Extraspinal Manipulation
- Head (including TMJ, excluding atlanto-occipital region)
- Lower Extremities
- Upper Extremities
- Rib Cage (excluding costotransverse and costovertebral joints)
- Abdomen!

BREAKTHROUGH Manual Therapy

- •97140 describes manual therapy techniques such as:
 - Mobilization
 - Manual Lymphatic Drainage
 - Manual Traction



BREAKTHROUGH The Rules for Reimbursement

- Same Provider, Separate Structure
- Same Area, Separate Providers
- Same Provider, Same Area, Separate Encounter
- Use Appropriate Modifiers



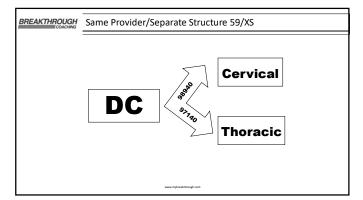
BREAKTHROUGH 59 Distinct Procedural Service

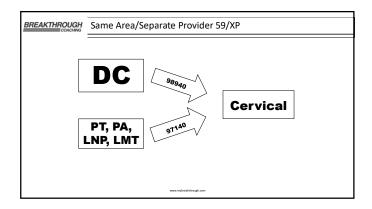
- The code 97140, Manual Therapy, requires the modifier 59 when combined with an adjustment.
- Use 59 when billing 97140, manual therapy, when done with chiropractic spinal manipulation 98940-2.

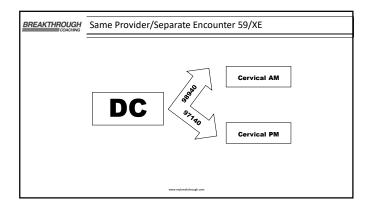


BREAKTHROUGH The X{EPSU} Modifiers

- \bullet The four newest HCPCS modifiers, are also commonly referred to as X{EPSU} modifiers.
- The acronym EPSU is made up of the last letter of the new modifiers.
 - Same Provider, Separate Encounter XE
 - Same Area, Separate Practitioner XP
 - Same Provider, Separate Structure XS
 - Unusual Non-Overlapping Service XU







BREAKTHROUGH Check with Carriers

- •These X{EPSU} modifiers were released by CMS, which governs Medicare billing, they are being gradually introduced for commercial
- \bullet Some commercial carriers are requiring the X{EPSU} modifiers in place of modifier 59.
- Other carriers are requiring both modifier 59 plus the X{EPSU}
- Be sure to check with individual non-Medicare payors (i.e., commercial carriers) to clarify which modifiers to use.

BREAKTHROUGH CMS 1500 HCFA Form

D		E	
CPT/HCPCS	MODI	FIER	
97140	59	XS	
98940			

BREAKTHROUGH Linking Diagnoses

- Indicate separate areas on an insurance claim form by linking each procedure to a diagnosis referring to a different area.
- If your billing software automatically defaults to linking diagnoses, contact your software vendor to unlock this feature.



BREAKTHROUGH CMS 1500 HCFA Form



BREAKTHROUGH Active Care

- Therapeutic Procedures are time-based codes.
- Billed in 15-minute units beginning with 8 minutes.
- The patient is active in the encounter.
- Require direct one-on-one patient contact by provider of the service.



BREAKTHROUGH 97110 Therapeutic Procedures

- Develop one functional parameter: strength, endurance, range of motion, or flexibility
- Treadmill for endurance
- Isokinetic exercise for ROM
- Lumbar stabilization exercises for flexibility
- Stability ball to stretch or strengthen



BREAKTHROUGH 97530 Therapeutic Activities

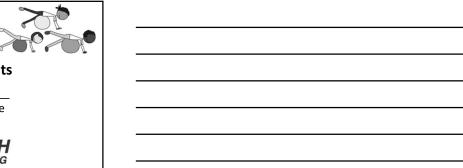
- Used when multiple parameters are trained including balance, strength, and range of motion.
- Must be related to a functional activity (ADL) with direct functional improvement expected.
- Use Outcomes Assessment Tools.



BREAKTHROUGH 97112 Neuromuscular Re-education (Use at Your Own Risk)

- Used to describe those activities that affect proprioception:
 - Balance
 - Coordination
 - Kinesthetic sense
 - Posture
- 3rd Party Payers often interpret as Upper Motor Neuron Rehab.





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