

WHY TREAT ALL FEET THE SAME?









The **NEXT STEP** in Foot Orthotic Design For the Entire Family

Introducing the Revolutionary

QUADRA**S**TEP SYSTEM®

The QUADRASTEP SYSTEM® is based on a clinical assessment algorithm which identifies and differentiates the structural and functional aspects of the foot into 6 specific foot "types".

Each foot type influences not only the patient's gait but also the conditions and pathologies which may effect them throughout their lives.

The QUADRASTEP SYSTEM® approach to dispensing prefabricated functional foot orthoses is easy to use and brings immediate improvement to patient's symptoms. The 4 steps to selecting an orthotic with the correct features are based on many years of clinical experience and research. By following the steps the professional will be able to offer immediate orthotic treatment that will be sensitive to the natural development of the patient's feet and normalize the stresses that create pain and disability.

QUADRASTEP SYSTEM® orthoses are manufactured from an injection molded thermoplastic compound which has a unique combination of strength with a soft "edge feel" which gives incredible support while maintaining high patient comfort and therefore improving patient compliance. The devices are a single piece incorporating all of the required postings, recesses and heel cup/sidewall heights to effectively treat the specific foot type diagnosed requiring no additions or top covers. They can be easily cleaned with disinfectant without any loss of structural integrity.

The QUADRASTEP SYSTEM® offers:

- 6 biomechanically tailored orthosis
- No casting/impressions/scans required
- Simple 4-Step selection process
- Immediate patient results
- Durable hygienic construction
- New customer Starter Kits available



THE QUADRASTEP SYSTEM®















Four simple steps to choosing a custom to foot type orthosis...

The different shapes and positions of our feet should allow us to move naturally as we walk and run. Observational evidence has shown that there are four key features that will influence how our feet work. Different combinations of these features can lead to common painful symptoms.

The QUADRASTEP SYSTEM® shows how these physical and functional patterns can be identified to allow practitioners to treat problems with an orthosis that is uniquely suited to each combination.



SEVERE PES CAVUS

The Quad A foot type is commonly thought of as an over-supinated or Severe Pes Cavus foot. This condition, also known as a Torque Foot, occurs when an Uncompensated Rearfoot Varus is coupled with a Large Rigid Forefoot Valgus. A key distinguishing feature of this foot-type is a narrow gait pattern.



MILD PES PLANUS

The Quad B foot type is a mildly over-pronated foot. This is the result of a Compensated Rearfoot Varus with a Flexible Forefoot Valgus deformity. It is often unilateral and may be associated with a leg length discrepancy. A key distinguishing feature of this foot-type is a toe-in gait pattern.



NEUTRAL FOOT

The Quad C foot type is sometimes referred to as a Subtle Pes Cavus foot or an under-pronator. This foot type exists when an Uncompensated Rearfoot Varus is coupled with a relatively neutral forefoot alignment. A key distinguishing feature of this foot-type is an obvious toe-out gait pattern.



MODERATE PES PLANUS

The Quad D foot type is a moderately over-pronated foot. This foot type occurs when a Compensated Rearfoot Varus exists with a neutral forefoot alignment. A key distinguishing feature of this foot-type is an MTJ instability.



ABDUCTOVARUS FOREFOOT

The Quad E foot type is one of the most unique looking feet, often with a reverse-lasted foot shape. This foot type is the result of a combined Uncompensated Rearfoot Varus, coupled with a large Rigid Forefoot Varus. A key distinguishing feature of this foot-type is an obvious heel pivot.



SEVERE PES PLANOVALGUS

The Quad F foot type is commonly referred to as a Pes Planovalgus foot deformity because of its very poor alignment to the floor. This is a true "flat foot." The condition occurs when a Compensated Rearfoot Varus is coupled with a large Flexible Forefoot Varus (also called Forefoot Supinatus).

STEP 1
Identify medial arch height

STEP 2 Identify Toe-Sign STEP 3 Identify gait style STEP 4
Check against callus pattern

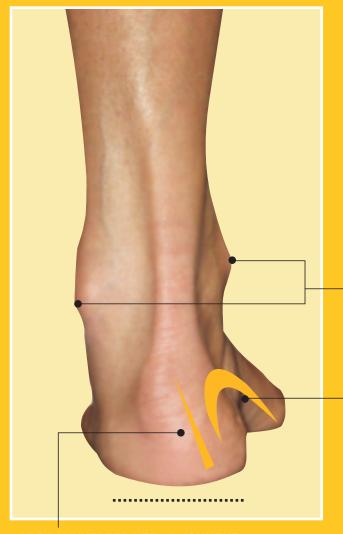






SEVERE PES CAVUS

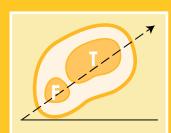
supinated or Severe Pes Cavus foot. This condition, also





"PEEK-A-BOO" HALLUX

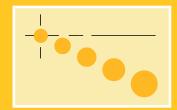




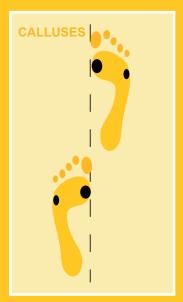
LARGE EXTERNAL TIBIAL/FIBULAR ROTATION



CAVUS/HIGH ARCH







- Excessive Supination
- Narrow or Cross Over Gait

For more information or to order QUADRASTEP® please visit www.nolaro24.com or email info@nolaro24.com or call 877.792.4669



Great for Ankle Instability!

43 - 44

45 - 46

Size 3

Size 4

Size 5

Type A - Adult Size 3

Type A - Adult Size 4

Type A - Adult Size 5

11 - 12

12.5 - 13

9.5 - 10.5

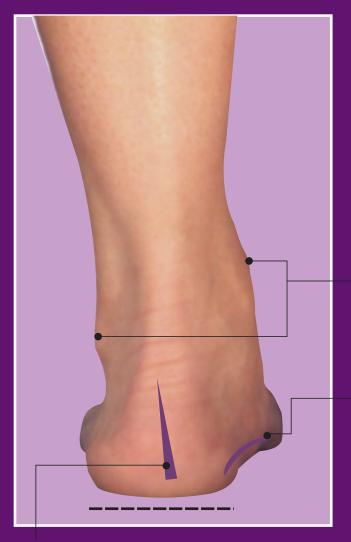
11 - 12





MILD PES PLANUS

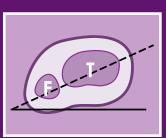
The Quad B foot-type is a mildly over-pronated foot. This is the result of a Compensated Rearfoot Varus with a flexible forefoot valgus deformity. It is often unilateral and may be associated with a leg length discrepancy



MILDLY INVERTED HEEL ALIGNMENT



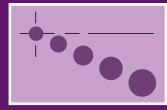
TOE IN



MILD-MODERATE INTERNAL TIBIAL/FIBULAR ROTATION



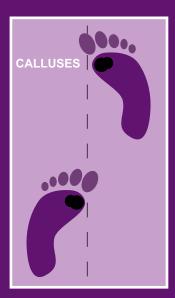
LOW-MEDIUM ARCH



VALGUS FOREFOOT ALIGNMENT



TOE IN GAIT



FOOT PROGRESSION ANGLE

- Pronates through Mid-Stance
- Re-supinates in Propulsion
- Propels off 1st and 2nd MTH's

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KEY ORTHOTIC FEATURES





POSSIBLE CLINICAL SYMPTOMS

- Toe-In Gait
- Neuromas
- Sesamoiditis
- 1st Ray Hypermobility
- Sacro-Illiac Pain
- Often Unilateral if associated with leg length inequality

Item Code	Description	Women's	Men's	Euro Size
Size 1	Type B - Adult Size 1	6.5 - 7.5	5 - 6	37 - 38
Size 2	Type B - Adult Size 2	8 - 9	6.5 - 7.5	39 - 40
Size 3	Type B - Adult Size 3	9.5 - 10.5	8 - 9	41 - 42
Size 4	Type B - Adult Size 4	11 - 12	9.5 - 10.5	43 - 44
Size 5	Type B - Adult Size 5	12.5 - 13	11 - 12	45 - 46

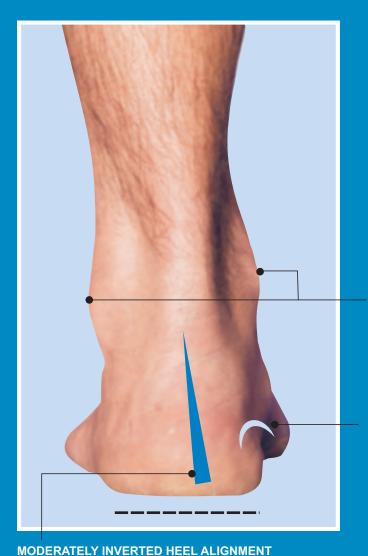
Great for In-Toeing!





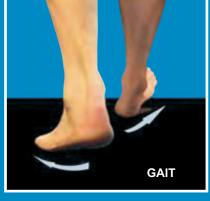
NEUTRAL FOOT

The Quad C foot-type is sometimes referred to as a subtle Pes Cavus foot or an under-pronator. This foot-type exists when an Uncompensated Rearfoot Varus is coupled with a relatively normal (neutral) forefoot alignment. A key distinguishing feature of this foot-type is an obvious toe-out gait pattern.

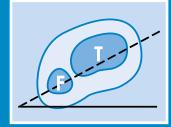




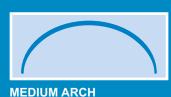
NORMAL TOE SIGN



TOE OUT GAIT CAUSES "FALSE POSITIVE" TOE SIGN

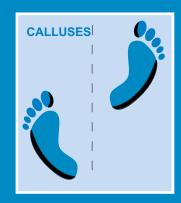


NORMAL EXTERNAL TIBIAL/FIBULAR ROTATION





NORMAL FOREFOOT **ALIGNMENT**



FOOT PROGRESSION ANGLE

- Poor Shock Attenuation
- Restricted STJ Pronation
- Propels off Medial Hallux

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KEY ORTHOTIC FEATURES

Neutral RF Posting

Medium Arch

Standard Depth Heel Cup



POSSIBLE CLINICAL SYMPTOMS

- Hip Pain
- Lower Back Pain
- Iliotibial Band Syndrome
- Retrocalcaneal Heel Pain
- Haglund's Deformity
- Medial Hallux Pinch Callus

Item Code	Description	Women's	Men's	Euro Size
Size 1	Type C - Adult Size 1	6.5 - 7.5	5 - 6	37 - 38
Size 2	Type C - Adult Size 2	8 - 9	6.5 - 7.5	39 - 40
Size 3	Type C - Adult Size 3	9.5 - 10.5	8 - 9	41 - 42
Size 4	Type C - Adult Size 4	11 - 12	9.5 - 10.5	43 - 44
Size 5	Type C - Adult Size 5	12.5 - 13.5	11 - 12	45 - 46
Size 6	Type C - Adult Size 6	14 - 15.5	12.5 - 14	47 - 49

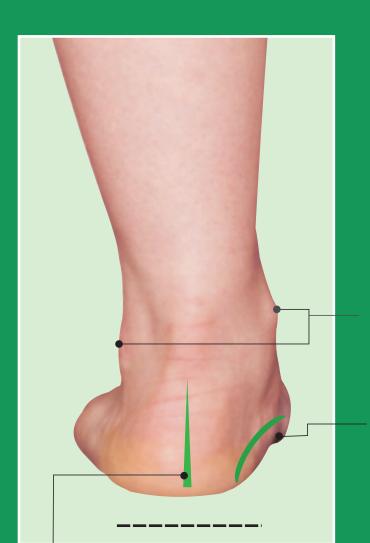
Great for Hip and Back Pain!





MODERATE PES PLANUS

The Quad D foot-type is a moderately over-pronated foot. This foot-type occurs when a Compensated Rearfoot Varus exists with a normal or neutral forefoot alignment.



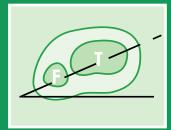
VERTICAL HEEL ALIGNMENT



NEUTRAL TOE SIGN



PROPELS OFF 2ND & 3RD METATARSAL (DUE TO TRANSVERSE METATARSAL ARCH REVERSAL)

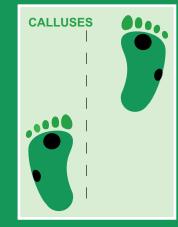


MODERATE INTERNAL TIBIAL/FIBULAR ROTATION



NEUTRAL FOREFOOT

ALIGNMENT



FOOT PROGRESSION ANGLE

- Neutral Toe Out
- Pronation through Midstance
- Midtarsal Joint Instability

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KEY ORTHOTIC FEATURES

• Deep Heel Cup

Medial RF Posting

Moderate Medial Skive

Medial and Lateral Flare



POSSIBLE CLINICAL SYMPTOMS

- Plantar Fasciitis
- Metatarsalgia
- Functional Hallux Limitus
- Patellofemoral Pain Syndrome
- Posterior Tibial Tendonitis
- Neuromas
- Dorsal Bunions

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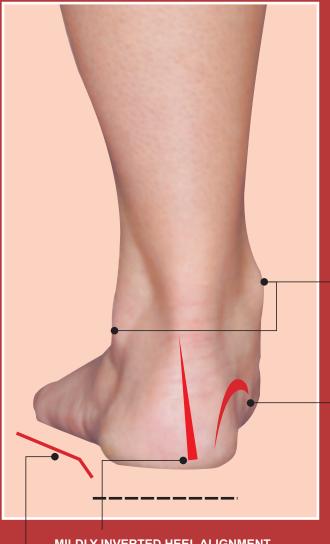
Great for Plantar Foot Pain!





ABDUCTOVARUS FOREFOOT

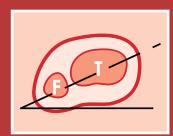
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MILDLY INVERTED HEEL ALIGNMENT
ABDUCTED FOREFOOT



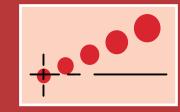
ABDUCTED TOE SIGN



MILD INTERNAL TIBIAL/FIBULAR ROTATION



MEDIUM/LOW ARCH



VARUS FOREFOOT ALIGNMENT



MEDIAL HEEL PIVOT



FOOT PROGRESSION ANGLE

- Narrow Heel Base Gait
- Restricted Subtalar Pronation
- Pivots at 5th MTH in Propulsion

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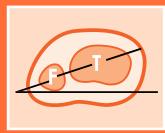
SEVERE PES PLANOVALGUS

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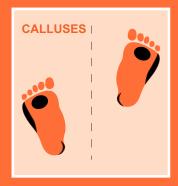




LATERAL COLUMN INSTABILITY



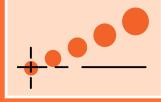
LARGE INTERNAL TIBIAL/FIBULAR ROTATION



FOOT PROGRESSION ANGLE



FLAT ARCH



VARUS FOREFOOT ALIGNMENT



- **Pronates through Propulsion**
- **Severe MTJ Instability**
- **Propels from Central MTH's**

LARGE TOE SIGN

EVERTED HEEL ALIGNMENT

For more information or to order QUADRASTEP* please visit www.nolaro24.com or email info@nolaro24.com or call 877.792.4669

KEY ORTHOTIC FEATURES

- Depth Orthosis Heel Cup
- Large Medial Skive
- Medial RF & FF Posting
- 1st MTH Cut-Out to assist Peroneal Functioning



POSSIBLE CLINICAL SYMPTOMS

- Posterior Tibial Tendon Dysfunction
- Tarsal Tunnel Syndrome
- Plantar Fasciitis
- Knee Valgus/DJD
- · Subfibular Impingement
- HAV/Bunions
- Splayfoot

Item Code	Description	Women's	Men's	Euro Size
Size 1	Type F - Adult Size 1	6.5 - 7.5	5 - 6	37 - 38
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Size 4	Type F - Adult Size 4	11 - 12	9.5 - 10.5	43 - 44
Size 5	Type F - Adult Size 5	12.5 - 13	11 - 12	45 - 46

Great for PTTD!

Introducing the Revolutionary



For more information or to order little STEPS visit www.nolaro24.com or call 877.792.4669

REVERSE

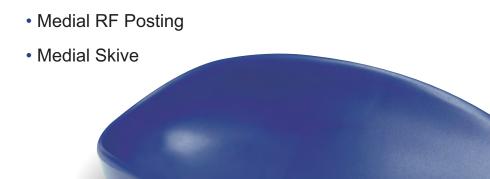
littleSTEPS.™...

Big Results!

KEY ORTHOTIC FEATURES

UCBL TYPE DESIGN:

- 30mm Heel Cup Depth
- Deep Medial and Lateral Flanges



POSSIBLE CLINICAL SYMPTOMS

- Developmental Flat Foot/Pes Planus
- Growing Pains
- · Sever's Disease/Heel Pain
- Shin Pain
- · Idiopathic Toe-In or Toe Walking Gait

SIZE	MODEL	U.S. KIDS	U.S. MEN	U.S. WOMEN	EURO
9	YOUTH/ADULT*	7.5 to 8.5	7.5 to 8.5	9 to 10	41 to 42
8	YOUTH/ADULT*	6 to 7	6 to 7	7.5 to 8.5	39 to 40
7	YOUTH/ADULT*	4.5 to 5.5	4.5 to 5.5	6 to 7	37 to 38
6	CHILDREN	3 to 4			35 to 36
5	CHILDREN	1.5 to 2.5			33 to 34
4	CHILDREN	13 to 1			31 to 32
3	CHILDREN	11.5 to 12.5			29 to 30
2	CHILDREN	10 to 11			27 to 28
1	TODDLER	8.5 to 9.5			25 to 26
0	TODDLER	7 to 8			23 to 24
00	TODDLER	5 to 6.5			21 to 22

Youth sizes are roughly equivalent to Men's sizes in length

Designed to:

- Support Flat Feet and Improve Posture
- Control Heel Pain/Sever's Disease
- Help Reduce Growing Pains
- **▼** Help Treat Toe Walking
- Improve Low Muscle Tone and Strength

Introducing the Revolutionary



For more information or to order little STEPS visit www.nolaro24.com or call 877.792.4669

KEY ORTHOTIC FEATURES

UCBL TYPE DESIGN:

- 30mm Heel Cup Depth
- Extends laterally beyond MTH's 4 & 5
- Deep Medial and Lateral Flanges





SIZE	MODEL	U.S. KIDS	EURO
7	YOUTH/ADULT	4.5 to 5.5	37 to 38
6	CHILDREN	3 to 4	35 to 36
5	CHILDREN	1.5 to 2.5	33 to 34
4	CHILDREN	13 to 1	31 to 32
3	CHILDREN	11.5 to 12.5	29 to 30
2	CHILDREN	10 to 11	27 to 28
1	TODDLER	8.5 to 9.5	25 to 26
0	TODDLER	7 to 8	23 to 24
00	TODDLER	5 to 6.5	21 to 22

Designed to:

- Reduce In-Toeing
- Improve Hip & Lower Extremity Strength
- **Reduce Destructive Torsional Forces**
- Create a Straighter, More Normal Gait

Using the

GUADRASTEP

QUADRASTEP SYSTEM®

QUADRASTEP SYSTEM® Starter Kits

Includes Waiting Room Brochure Holder with brochures

Includes:

- Every size and Quad (38 Pairs) in a convenient 6 drawer cart
- Educational Poster
- Marketing Materials
- FREE Training Webinar





Includes:
QUADRASTEP SYSTEM®
18" X 24" Educational Poster



For more information regarding the Quadrastep® System Fit Kit please contact us at 877.792.4669

If you would like to see the Quadrastep® System demonstrated by one of our sales team please contact our customer services team to arrange an appointment.

NOLARO²4Lc

80 Turnpike Drive Suite 2B Middlebury, CT 06762

For more information or to order please visit www.nolaro24.com
Email info@nolaro24.com
or call 877.792.4669
or fax 203.758.1011

QUADRASTEP SYSTEM® - Education

Take the **NEXT STEP....** Learn more about the revolutionary QUADRASTEP SYSTEM® foot typing methods in one of our one or two day courses or 2 hour webinars.

The QUADRASTEP SYSTEM® is based on a clinical algorithm identifying 6 unique foot types. Each Quad has its own very specific foot and gait characteristics. A patients foot type influences not only their gait, but the conditions that may effect them throughout their lives.

Participants will learn functional foot typing and gait analysis utilizing a simple 4-Step method of visual gait assessment. They will utilize our patented algorithm to learn the 24 variations of the "normal" adult foot, and protocols for classifying feet into 6 major subgroups or "Quads". This 4-Step Foot Typing method is quick and easy to learn and will offer the practitioner a biomechanically based approach to gait assessment and foot classification. The participant will learn that each "Quad" presents with specific foot traits, such as arch height, toe sign, callouses, and gait pattern; which can predispose a patient to a particular array of clinical conditions.



