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News Release

FOR IMMEDIATE RELEASE

ULTRAFLEX SYSTEMS LAUNCHES ENHANCED ADULT ADR™ AFO Adjustable Dynamic Response™ (ADR™), Adult ANKLE/FOOT ORTHOSIS (AFO)

POTTSTOWN, PA, USA – April 2011, Ultraflex, the sole leader in orthotic Adjustable Dynamic Response™ (ADR™) technology, has launched the enhanced adult ADR™ AFO. The new, enhanced adult version is available in markets around the world including the United States, Europe, Canada, Australia, and Japan. The ADR™ AFO enhanced version will replace the previous technology, which has been available since January 2004. The new, enhanced version is similar in design and size to the pediatric version of ADR™, UltraSafeGait™, which was introduced in May 2009. Since the introduction of UltraSafeGait™, clinicians have requested an adult version closer in size to the pediatric version. The new design is the result.

The new adult ADR™ AFO design has 100% more dynamic load response and magnitude, is 40% lighter, 30% smaller, and is made of material that is 5% stronger with improved corrosion resistance.

Joint selection of the adult (UltraSafeStep™) or pediatric (UltraSafeGait™) version is determined by weight. UltraSafeStep™ for patients 110 lb/50 kg (one side) - 250 lb/115 kg (two sides), UltraSafeGait™ for patients up to 55 lb/25 kg (one side) - 110 lb/50 kg (two sides).

The Adjustable Dynamic Response™ product line also includes the convertible KO ADR™ AFO (with a dynamic assist stretching knee joint, an ADR™ ankle joint, and the Ultraflex UltraQuickRelease™) and the KAFO ADR™ (with ADR™ knee and ankle joints).

Ultraflex's exclusive Adjustable Dynamic Response™ technology is designed for managing gait dysfunction, crouch, equinus, and variants of crouch and equinus. Pediatric indications include: Cerebral Palsy (diplegic, hemiplegic, quadriplegic, GMFCS Levels 1 – 4), Spina Bifida, TBI, challenging neurological and developmental conditions, post-stroke, idiopathic toe walking syndrome, and spinal cord pathology. Adult indications include: post-stroke, post-polio, incomplete spinal injury, drop foot, and crouch gait.

Ultraflex ADR™ addresses the limitations of conventional orthoses, including the limitations associated with solid AFOs, hinged AFOs, carbon dynamic, ground reaction AFOs, DAAJs, and stance control orthoses (SCOs). This new technology eliminates limitations associated with conventional orthoses by providing customized treatment of deficits resulting in a more biomechanically normal gait.

“ADR™ AFOs position the foot for swing clearance and weight acceptance to the extent of available range, allow for potentially greater dynamic balance and stability, and allow for the ability to also fine tune first (heel), second (ankle), and third (toe) rocker to the extent feasible,” said Mark D. DeHarde, President and founder of Ultraflex Systems, Inc. “ADR™ AFOs also have been shown to improve average daily activity level by 47% over a traditional AFO in a single-patient case study,” DeHarde further stated.

ADR™ AFO Biomechanical Rationale – Adult and Pediatric

The ADR™ AFO allows for normal range in the ankle (0–40° dorsiflexion, 0–40° plantarflexion resistance or dampening effects), changing the restraint levels can be accomplished with simple set screw adjustments. The pediatric version provides 0-140 in/lb of torque restraint for plantarflexion and for dorsiflexion. The adult version, provides 0-600 in/lb of torque restraint for plantarflexion and dorsiflexion. Both the adult and pediatric versions selectively augment and provide support for the tibialis anterior and gastroc-soleus muscles and alters their response to ground reaction forces (GRF) as needed. Furthermore, ADR™ restrains ROM and does not hold it or stop it unless desired. Rigid stops are created by compressing the stop channel(s).

About Ultraflex Systems

Ultraflex is committed to supporting our patient communities, their caregivers, and the healthcare professionals involved in their care in the mutual goal of improving patient quality of life. Ultraflex areas of specialty include therapeutic bracing with precise dynamic stimulus and proper posturing for challenging neurological presentations, functional bracing with Adjustable Dynamic Response™ for managing gait dysfunction, post-surgical protection and structural LOM bracing for complex orthopedic rehabilitation. Ultraflex FDA Class I braces are available only through a physician's prescription and are fitted by certified orthotists. For more information call 800-220-6670 or visit www.ultraflexsystems.com.

Re-Introducing
UltraSafeStep™

Functional Bracing with Adjustable Dynamic Response™ (ADR™)




Ultraflex®

Patient Inspired Solutions

www.ultraflexsystems.com

New Enhanced Joint Design

- 100% more dynamic load response and magnitude
- 40% lighter
- 30% smaller
- 5% stronger
- Improved corrosion resistance
- Covered by existing L-Codes