## Spiraldynamik - intelligent movement

Jens Wippert

Spiraldynamik $\circledR^{\circledR}$ is an anatomically based movement and therapy concept. It was founded by the physiotherapist Yolanda Deswarte, and Dr. med. Christian Larsen. During the time that he was professionally active as a pediatrician, Christian Larsen repeatedly wondered: "is the universal principle of organization, the spiral, also embodied in man?" Observing the babies and toddlers that he worked with inspired him to research further into movement sequences. International interdisciplinary research communities in medicine, physiotherapy, pedagogy, yoga, fitness,sports and dance have been working together researching this question since 1981. Their main preoccupations have been the connections between anatomy, the three-dimensional system and the laws of nature (i.e. gravity), using the spiral as a basic building block. Spatially, the spiral structure dominates as a place saving and stable structure. The temporal dimension of motion is defined by wave movement and rhythm. Time and space are united in the spiral and in dynamism. Coordinated movements are three-dimensional, using the anatomically given corporal structures. Only the three-dimensional joining of the spiral structures throughout our body makes harmonious movement possible. The form of the body's joints and bones and the arrangement of the ligaments and muscles, indicate the body's preferred movement and rotation directions. Since a spiral has basically two directions of rotation, it is a matter of turning in the direction set forth by the given structure of the body. This anatomical understanding trains precise three-dimensional movement coordination and permits an unexpected variety of movement to emerge.

Dr. Jens Wippert<br>Munich, 1st Winter Symposium

# Spiraldynamik ${ }^{\circledR}$ <br> Biomechanics of the Iower limb 

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## Helix: Universal structure



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## Helix: Macro- and microcosmos



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# Helix: Macro- and microcosmos 



## Helix: 3D-Dynamic


. Vortex
.3D-Schema
. Upside down
. Spirobranchus

## Helix: easy flexible-stable



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## Helix: Homo sapiens


. Inner ear
. Muscles
. Ligaments
. Heart muscle

## Helix: Concept of symmetry



## Evolution in the move



# Evolution: Change through function 



## Evolution: Change through function



## Anatomy: Limbs



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## Anatomy: Hip joint


. Antetorsion Femur
. 3D-Trabecula
. 3D- „Ligament-screw"
. Dominance of external rotators

## Spiraldynamik

## Anatomy: Knee joint



## Anatomy: Foot and arches


. Principle of wedge
. Principle of helix

## Take Home Message



## More information

www.spiraldynamik.com
www.elementhera.de
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Courses
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www.my-medibook.de

## Books: Foot



- Fehlbelastungen erkennen und beheben
- Trainieren statt operieren:

Trainieren statt operie
Die Efrolgmethode
Fußsymnastik bei Hallux Fersensporn, Spreizuß \& co. TRIAS


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