New High-Resolution Computer Tomography Data Demonstrates EVISTA(R)'s Effect on Bone Quality in Osteoporotic Patients

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- 3D Images Provide New Approach to Monitoring Bone Changes

Interim data from a prospective Investigator Initiated Trial (IIT) presented today at the ECTS, the 37th European Symposium on Calcified Tissues, in Glasgow, demonstrates that EVISTA(R) (raloxifene 60mg; once-daily, distributed in 34 countries by DAIICHI SANKYO), indicated for the treatment and prevention of osteoporosis in postmenopausal women, improves bone quality as measured by the high-resolution peripheral quantitative computed tomography (HRpQCT). Dr. Radspieler, Investigator of the IIT at the Osteoporosis Diagnostic- und Therapy centre Munich, evaluated prospectively micro-architectural changes of the bone of patients being treated with EVISTA(R) for 15.1 months. The trial showed that, all parameters analysed improved over the treatment period. Exemplary, raloxifene increased volumetric trabecular by 2.9% and 3.9% and cortical bone densities by 1.1% and 0.7% in the radius and the tibia respectively.

Dr. Helmut Radspieler comments: "With the help of 3D images we can now actually see into the micro-structure of bones. This makes it possible to determine the efficacy of different treatments, as shown here with raloxifene." He continues; "We now understand better and are also able to visualise that bone structure and not bone density alone is crucial to retain bone quality".

Bone mineral density (BMD) assessed by dual-energy X-ray absorptiometry (DXA) is the current gold standard for the diagnosis of osteoporosis, however, it is not as effective in the measurement of the therapeutic effect of an osteoporosis treatment(1). By using a new thre
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