

## **Publicazioni sul densitometro osseo ad ultrasuoni Achilles**

- **Risultati Achilles comparabili alla DEXA della colonna e del femore**

*Comparison of the Achilles Express ultrasonometer with central dual-energy X-ray absorptiometry.* Grabe DW, Cerulli J et al; Ann Pharmacother. 2006 May;40(5):830-5. Epub 2006 May 2.

*Calcaneus Ultrasonometry and Dual-Energy X-Ray Absorptiometry for the Evaluation of Vertebral Fracture Risk.* B. Frediani et al; Calcif Tissue Int (2006) 79:223\_229

*DXA and QUS can comparably discriminate patients with osteoporotic hip fracture from matched controls* P. Hadji, G. Esser; (Presented at the International Osteoporosis Foundation World Congress on Osteoporosis, Rio de Janeiro, Brazil, May 14-18, 2004).

*Quantitative ultrasound and dual-energy X-ray absorptiometry in the prediction of fragility fracture in men.* Gonnelli S, Cepollaro C, et al "Osteoporos Int. 2005 Aug;16(8):963-8. Epub 2004 Dec 14"

*Quantitative ultrasound (QUS) of bone in the management of postmenopausal women.* Gambacciani M, de Aloysio D et al; (Maturitas; 2004 Feb 20;47(2):139-49).

*Calcaneal ultrasound predicts early postmenopausal fractures as well as axial BMD. A prospective study of 422 women.* Huopio J, Kroger H et al; (Osteoporos Int. 2004 Mar;15(3):190-5. Epub 2004 Jan 16).

*Evaluation of Quantitative Ultrasound and Dual X-ray Absorptiometry Measurements in Women with and without Fractures.* Anne Peretz et al; (Journal of Clinical Densitom 1999, vol 2, no. 2, 127-133).

*Is the WHO Criteria Applicable to quantitative Ultrasound Measurements? The EPIDOS prospective study.* D. Hans France; (The Lancet, Vol 348 Agosto 1996).

*Quantitative Ultrasound of the heel predicts heel and osteoporosis related fractures in women age 45-75 years.* P W Thompson, UK 3,180 women followed over 3 years; (Journal of Clinical Densitometry vol 1, n.°2, 1995).

*Ultrasound Discriminates patients with hip fracture equally well as dual Energy XRay Absorptiometry and independently of Bone Mineral Density.* AM.Schott et al; (Journal of Bone and Mineral Research, vol. 10, n.°2, 1995).

- **Achilles: la precisione per eccellenza**

*In Vivo Performance Evaluation of the Achilles Insight QUS Device.* Cepollaro C., Gonnelli S et al (J Clin Densitom. 2005 Fall;8(3):341-6.)

***Performance Evaluation of the Achilles InSight: Precision, Accuracy, and comparison to Central DXA.*** E. Hosszu<sup>1</sup>, S. Meszaros<sup>2</sup> et al; (JBMR 2003; 18 (Supp1): SU117).

***An Enhanced QUS Coupling Agent: Performance of A Fourth-generation Imaging Ultrasonometer.*** W. Wacker, R. Morris, K. Morris, G. Mitchelmore, K. Faulkner (2nd Symposium of MSOSD, Beirut, Lebanon, October 2-4, 2003; ISCD Annual Meeting, LA, California, February, 2003; 30th European Calcified Tissue Society Congress, Rome, Italy, 2003)

***Lumbar osteoarthritis, bone mineral density, and quantitative ultrasound.*** Dalle Carbonare L et al. (Aging (Milano). 2000 Oct;12(5):360-5).

***Ultrasound for Bone Densitometry: A Comparison of Three Scanners.*** J.E.Adams et al (European Congress on osteoporosis 1998).

***Correlation of Bone Mineral Density and two Different Methods of Quantitative Ultrasound Measurement.*** Larise Lazaretti-Castro et al (Poster from ASBMR 1998).

***Is quantitative Ultrasound Able to Identify Osteoporosis in Postmenopausal Women?*** P Hadji et al (Presented at European Congress on Osteoporosis, September 1998).

***Precision and Discriminatory Ability of Calcaneal Bone Assessment Technologies.*** Susan Greenspan et al (JBMR, Vol. 12, N° 8, 1997).

***Ultrasonic Measurement: An Evaluation of Three Heel Bone Scanners Compared with a Bench-Top System.*** R Strelitzki et al (Osteoporosis Int. 1996, 6:471-479).

• **Achilles come strumento di screening**

***Bone mineral density in postmenopausal women with proximal femoral fractures-- comparative study between quantitative ultrasonometry and gold standard DXA].*** Shnabel M., Eser G et al; (Zentralbl Chir. 2005 Oct;130(5):469-75. German.)

***Quantitative ultrasound and bone mineral density: discriminatory ability in patients with rheumatoid arthritis and controls with and without vertebral deformities.*** Orstavik RE, Haugeberg G et al; (Ann Rheum Dis. 2004 Aug;63(8):945-51).

***Older women track and field athletes have enhanced calcaneal stiffness.*** Welch JM, Rosen CJ. Osteoporos Int. 2005 Aug;16(8):871-8. Epub 2004 Dec 11

***Osteoporosis screening: comparison of heel ultrasound measurement to calculated risk assessment tools.*** S.Poriau, P.Geusens et al. (Presented at the American Society for Bone and Mineral Research Annual Meeting, October 1-5, 2004, Seattle, WA, USA.)

***Comparison of osteoporosis screening tools: the heel ultrasound measurement versus the calculated risk assessment tool.*** Gambacciani M, Genazzani AR; (Presented at the 31st European Calcified Tissue Society Congress Nice, France,

June 5-9, 2004).

(Presented at the Fifth European Congress on Clinical and Economic Aspects of Osteoporosis and Osteoarthritis, March 16-19, 2005, Rome.)

***The Lunar Achilles as a screening tool for osteoporosis: comparison with spine dxa***

S. Poriau, P. Geusens, (Presented at the International Osteoporosis Foundation World Congress on Osteoporosis, Rio de Janeiro, Brazil, May 14-18, 2004).

***Use of heel ultrasound to screen for osteoporosis: comparison with spine and femur DXA*** P.K. Burke (ISCD,2004)

***Use of Achilles for DXA Referral in a Community Hospital*** M. Verhoff

(ISCD Annual Meeting, Miami, Florida, February 28-31, 2004).

***Effect of age, weight, and lifestyle factors on calcaneal quantitative ultrasound in premenopausal women: the ESOP study.*** Crepaldi G.,Adami S., Giannini R. et al, Italy, (Calcif Tissue Int. 2004 Jan 8)

***The effect of age, weight, and lifestyle factors on calcaneal quantitative ultrasound: the ESOP study.*** Crepaldi G.,Adami S., Giannini R. et al, Italy, (Osteoporos Int. 2003;14(3):198-207)

***Short-term and long-term fracture prediction by bone mass measurements: a prospective study.***Huang C et al (J Bone Miner Res. 1998 Jan;13(1):107-13)

***Osteoporosis Screening for High and Low risk patients Using Heel Ultrasound.*** PK Burke,KG Faulkner et al ; (Presented at the International Osteoporosis Foundation World Congress on Osteoporosis, Rio de Janeiro, Brazil, May 14-18, 2004).

• **Achilles nel monitoraggio**

***Effect of cigarette smoking on bone quality parameters in women.*** Meszaros S, Ferencz V et al; (Orv Hetil. 2006 Mar 19;147(11):495-9. Hungarian.)

***Teriparatide's effects on quantitative ultrasound parameters and bone density in women with established osteoporosis.*** Gonnelli S, Martini G, Caffarelli et al. (Osteoporos Int. 2006 Jun 9).

***Influenced of chemotherapy (AC) on bone mineral density (BMD) and bone ultrasonometry (QUS) in women with breast cancer.*** Zille V., Hadij P. et al; (Presented at WCO 2004, Brazil).

***Bone ultrasonography and dual X-Ray absorptiometry in the assessment of corticosteroid induced osteoporosis.*** Cepollaro C., Gonnelli S. et al. (OASIS, 1996-2003, Coe-Truman Technologies,Inc.)

***Heel ultrasonography in monitoring alendronate therapy: a four-year longitudinal study.*** Gonnelli S, Cepollaro C et al (Osteoporos Int. 2002 May;13(5):415-21).

***Effect of Supplementation with Vitamin D3 and Calcium on Quantitative Ultrasound of Bone in Elderly Institutionalized Women: A Longitudinal Study.***

M.A.Krieg et al (Osteoporosis Int 1999,9:483-488).

***Ultrasound Parameters in the Follow Up of Osteoporotic Women Treated with Estrogen.*** S. Gonelli et al (European Congress on osteoporosis, 1998).

***Spine BMD and Heel Stiffness Correspond in Postmenopausal Osteoporosis and its Treatment with Estrogen.*** J.Stepan et al; (Bone 1998;23).

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***Ultrasound Parameters in Osteoporotic Patients Treated with Salmon Calcitonin: A Longitudinal Study.*** S. Gonelli et al; (Osteoporosis Int. 1996 6:303-307).

- **Achilles nel monitoraggio degli uomini**

***Prevalent clinical fractures and hip fractures are associated with stiffness index measurement in men:results from the population based ESOPPO study.***L. Sinigaglia, M. Varenna et al.

***Alendronate treatment in men with primary osteoporosis: a three-year longitudinal study.*** Gonnelli S., Cepollaro C. et al; (Calcif Tissue Int. 2003 Aug;73(2)133-9).

- **T-score validi usando l'indice di Stiffness**

***Age-related decline in bone mass measured by dual-energy X-ray absorptiometry and quantitative ultrasound in a population-based sample of both sexes: identification of useful ultrasound thresholds for osteoporosis screening.*** Gudmundsdottir SL, Indridason OS et al; J Clin Densitom. 2005 Spring;8(1):80-6.

***Stiffness Index Predicts Osteoporotic Fracture Better than BUA or SOS Alone.*** P Hadji et al; (Presented at European Congress of osteoporosis, Berlin 1998).

***Is the WHO Criteria Applicable to Quantitative Ultrasound Measurements? The EPIDOS prospective study.*** D Hans, France; (The Lancet, Vol 348 August 1996).

***Ultrasound Bone Densitometry of the Os Calcis.*** K. Yamazaki et al ; (Presented at the Fourth International Symposium on Osteoporosis, Hong Kong 1993)

- **Gli esperti concordano...**

***Quantitative heel ultrasound in a population-based study in Italy and its relationship with fracture history: the ESOPPO study.*** S. Maggi et al; Osteoporosis Int (2006) 17: 237-244

***Association of five quantitative ultrasound devices and bone densitometry with osteoporotic vertebral fractures in a population-based sample: the OPUS Study.*** Gluer CC, Eastell R et al.; (JBMR; 2004 May;19(5):782-93).

***Quantitative Ultrasound Techniques for the Assessment of Osteoporosis: Expert Agreement on Current Status.*** Claus C Gluer for the International Quantitative Ultrasound Consensus Group (Journal of Bone and Mineral Research, Volume 12, Number 8, 1997).

***Ultrasonographic heel measurements to predict hip fracture in elderly women: the EPIDOS prospective study.*** Hans D. et al. (Lancet. 1996 Aug 24;348(9026):511-4).