Bone Mineral Density and Aortic Calcification: Evidence for a Bone-Vascular Axis after Kidney Transplantation

**Introduction**
Chronic Kidney Disease – Mineral and Bone Disorders

Potentially linking bone disease with vascular calcification post-kidney transplant?

**Dual X-ray absorptiometry**
Bone mineral density (BMD) & Abdominal aortic calcification (AAC)

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**Methods**
- 678 kidney transplant recipients (KTR)
- DXA-scan < 6 months post-transplant
- Areal BMD at the proximal femur
- 8-points AAC-score
  - 1-3 points low-AAC
  - 4-8 points high-AAC

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**Results**
- BMD disorders → in **54%**
- AAC → in **39%**

Lower BMD independently associated with higher risk for high-AAC in KTR

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