

HR-pQCT Variables : Need to denote skeletal site

Geometry	How measured	Suggested nomenclature
Total cross-sectional area (avg) (mm ²)		Ar.Tt _{avg}
Total cross-sectional area (min) (mm ²)		CSA _{min}
Cortical bone area (mm ²)		Ar.Ct
Endosteal area (mm ²)		Ar.Es
Periosteal circumference (mm)		PsC
Cortical thickness, average (mm)	derived measured	Ct.Th _{der} Ct.Th _{avg}
Cortical thickness (min) (mm)	measured	Ct.Th _{min}
Trabecular volume (mm ³)		V.Tb
Cortical volume (mm ³)		V.Ct
Total volume (mm ³)		V.Tt
Density, BMC	How measured	Suggested nomenclature
Trabecular density (mg/cm ³)		vBMD.tb
Cortical density (mg/cm ³)		vBMD.ct
Total density (mg/cm ³)		vBMD.tot
Trabecular BMC (mg)		vBMC.tb
Cortical BMC (mg)		vBMC.ct
Total BMC (mg)		vBMC.tot
Microarchitecture	How measured	Suggested nomenclature
Trabecular BV/TV (%)	Derived from vBMD.trab	BV/TV _{der}
Trabecular BV/TV (%)	From segmented image	BV/TV _{3D}
Apparent (?) trabecular number (mm ⁻¹)		TbN _{3D}
Apparent trabecular thickness (µm)	Derived from plate model	App.TbTh _{der}
Apparent trabecular thickness (µm)	Computed from distance-transform or other 3D method	App.TbTh _{3D}
Apparent (?) trabecular separation (µm)	Derived from plate model	App.TbSp _{der}
Apparent (?) trabecular separation (µm)	Computed from distance-transform or other 3D method	App.TbSp _{3D}
Others: SMI, ConnD, TbThSD, TbSpSD		