

Patient BZ

75 year old female with history of worsening bone density scans (dual energy X-Ray Absorptiometry), despite Vitamin D, Calcium and Estrogen supplementation.

5/29/15 Bone Density Scan

	Lumbar	Left Femur
gm/cm2	0.79	0.66
T-Score	-2.4	-1.7

-----PBD-PSC Treatment December, 2015-----

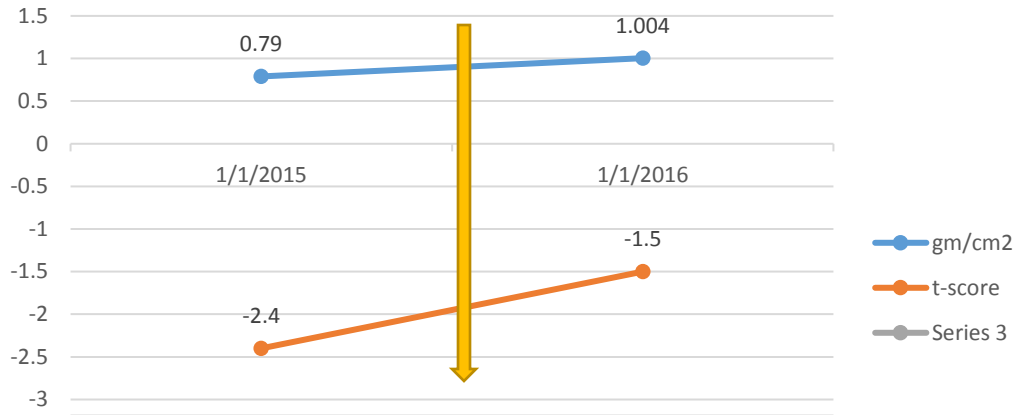
6/13/16 Bone Density Scan

	Lumbar	Left Femur
gm/cm2	1.004	0.851
T-Score	-1.5	-1.2

Data Interpretation:

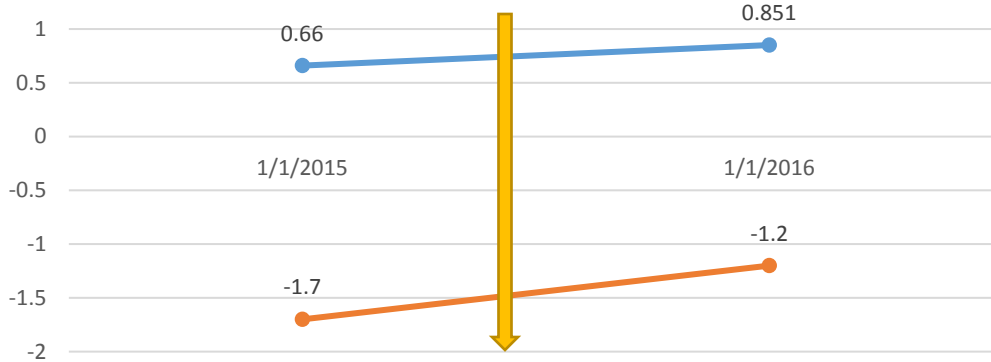
This 75 year old female patient with osteopenia of the lumbar spine and left hip, showed significant improvements in T-Scores, both for the lumbar spine as well as left femur following a single PDB-PSC therapy. Lumbar T-Scores improved from -2.4 to -1.5 (37.5%), while the left femur T-Scores improved from -1.7 to -1.2 (29.4%).

Chart Title



	5/29/2015	6/13/2016		
gm/cm2	0.79	1.004		
t-score	-2.4	-1.5		
Series 3				

Left Femur



	5/29/2015	6/13/2016		
gm/cm2	0.66	0.851		
t-score	-1.7	-1.2		
Column1				

gm/cm2 t-score Column1

Patient IM

65 y/o female with history of worsening bone density scans (dual energy X-Ray Absorptiometry) and history of worsening osteoporosis.

6/2/2015 Bone Density Scan

	Lumbar	Left Hip
Gm.cm2	0.641	0.650
T-Score		

-----PBD-PSC Treatment August, 2015-----

12/21/2015 Bone Density Scan

	Lumbar	Left Hip
Gm.cm2	0.647	0.619
T-Score		

6/8/2016 Bone Density Scan

	Lumbar	Left Hip
Gm.cm2	0.643	0.611
T-Score	-3.22	-3.36

Data Interpretation

This 65 year old female patient with severe osteoporosis of the lumbar spine and left hip showed a slight improvement in bone density of the lumbar spine following a single infusion of PBD-PSC. The lumbar bone density improved from 0.641 to 0.647 (1.6%) gm/cm². The benefit of the PBD-PSC infusion appears to diminish slightly 9 months post-infusion (0.643 gm/cm²) indicating that perhaps a repeat infusion at 6 months intervals may be required to sustain or build on the benefit of the infusion. The left hip bone density dropped following the PBD-PSC infusion from 0.650 to 0.619 (-4.77%) gm/cm², however subsequently slowed in its loss 0,611 (-1.3%) gm/cm². It is possible that the infusion arrested a sharp decline in bone density of the left hip.

