**(reference data obtained from : *Changes in the fractal dimension on pre- and post- implant panoramic radiographs , Sansare et al, 2012)***

**t tests -** Means: Wilcoxon signed-rank test (one sample case)

**Options:** A.R.E. method

**Analysis:** A priori: Compute required sample size

**Input:** Tail(s) = Two

 Parent distribution = Laplace

 Effect size d = 0.7142857

 α err prob = 0.05

 Power (1-β err prob) = 0.95

**Output:** Noncentrality parameter δ = 3.7588643

 Critical t = 2.0529354

 Df = 26.6929601

 Total sample size = 29

 Actual power = 0.9515962

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