

Renin mass for primary hyperaldosteronism

Plasma Renin Activity ARR	Sensitivity (95% CI)	Specificity (95% CI)	+ Likelihood Ratios	- Likelihood Ratios
≥30 ES guidelines	100 (71 to 100)	85 (79 to 90)	6.7	0
≥30 + ≥15 ng/dL <u>aldo</u>	100 (71 to 100)	97 (93 to 99)	31.5	0
≥38 Lab defined	100 (71 to 100)	89 (84 to 93)	9.4	0
≥38 + ≥15 ng/dL <u>aldo</u>	100 (71 to 100)	98 (95 to 100)	63.0	0
Renin Mass ARR				
Renin Mass ARR	Sensitivity (95% CI)	Specificity (95% CI)	+ Likelihood Ratios	- Likelihood Ratios
≥5.7 ES guidelines	73 (39 to 94)	98 (95 to 99)	34.4	0.28
≥5.7 + >15 ng/dL <u>aldo</u>	72 (39 to 94)	98 (95 to 100)	45.8	0.28
≥2.6 Lab defined	100 (71 to 100)	86 (80 to 91)	7.3	0
≥2.6 + >15 ng/dL <u>aldo</u>	100 (71 to 100)	96 (92 to 98)	27.0	0

ES guidelines = Endocrine Society guidelines

Lab defined = VUMC Diagnostic Laboratory study using 200 hypertensive patients

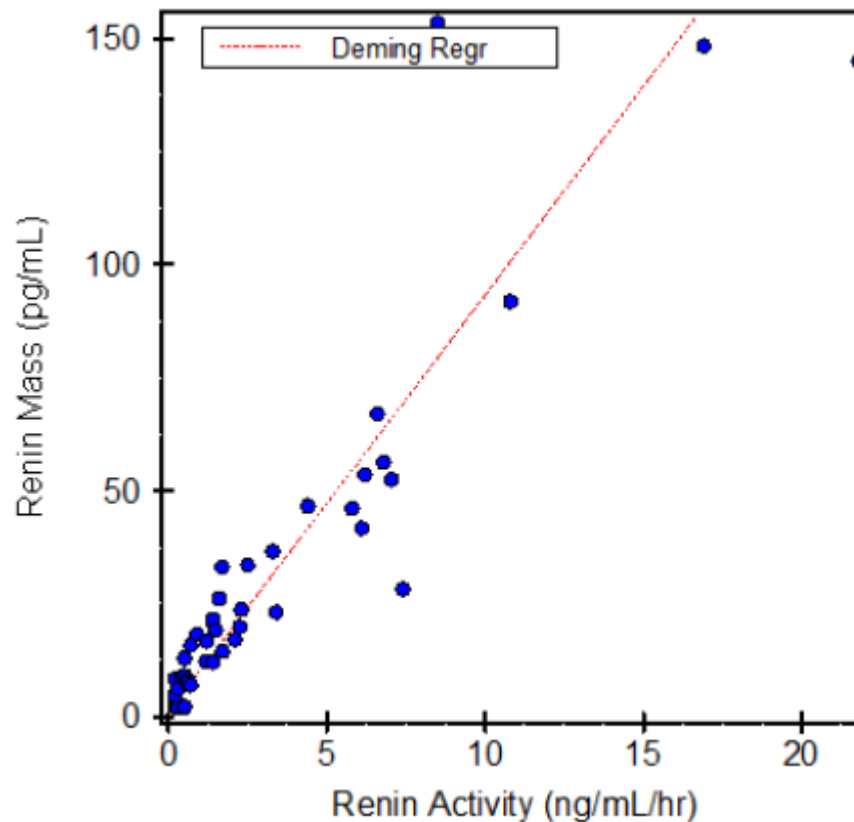
Renin comparison – all Jan. data

Regression Analysis

	Deming	Regular
Slope	9.212 (8.112 to 10.313)	7.737 (6.727 to 8.746)
Intercept	1.141 (-4.716 to 6.997)	5.747 (0.374 to 11.120)
Std Err Est	16.325	14.977

95% Confidence Intervals are shown in parentheses

All patient samples submitted for PRA with adequate remaining volume to also perform renin mass in the month of January



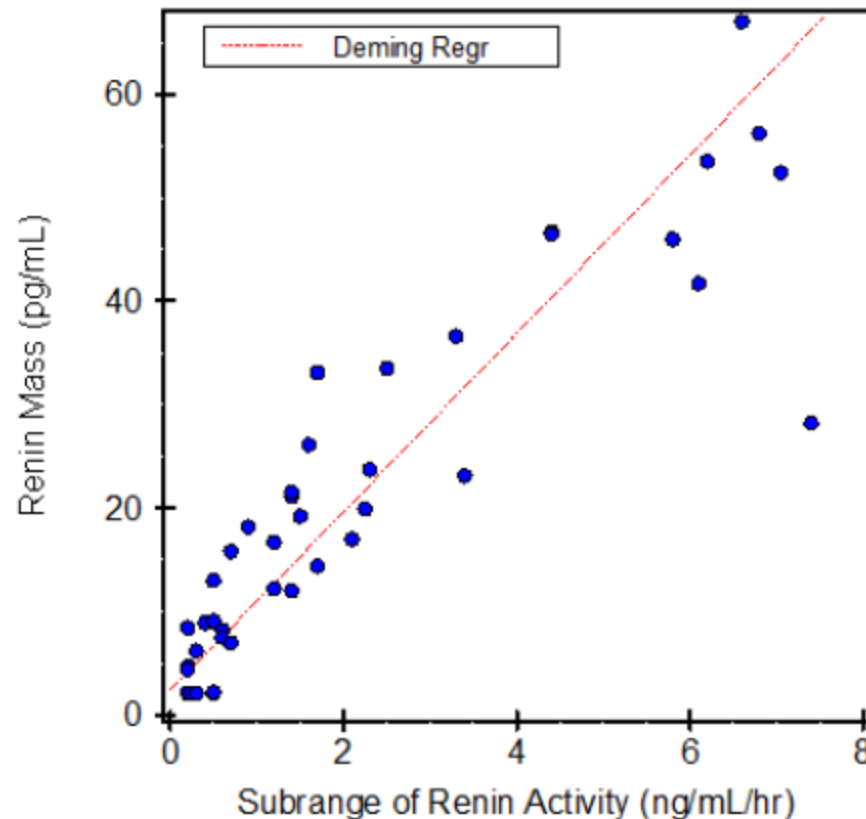
Renin comparison – Jan. low values

Regression Analysis

	Deming	Regular
Slope	8.620 (7.479 to 9.761)	7.083 (6.047 to 8.119)
Intercept	2.385 (-1.094 to 5.865)	5.593 (2.434 to 8.752)
Std Err Est	8.339	7.570

All patient samples submitted for PRA with adequate remaining volume to also perform renin mass in the month of January

95% Confidence Intervals are shown in parentheses



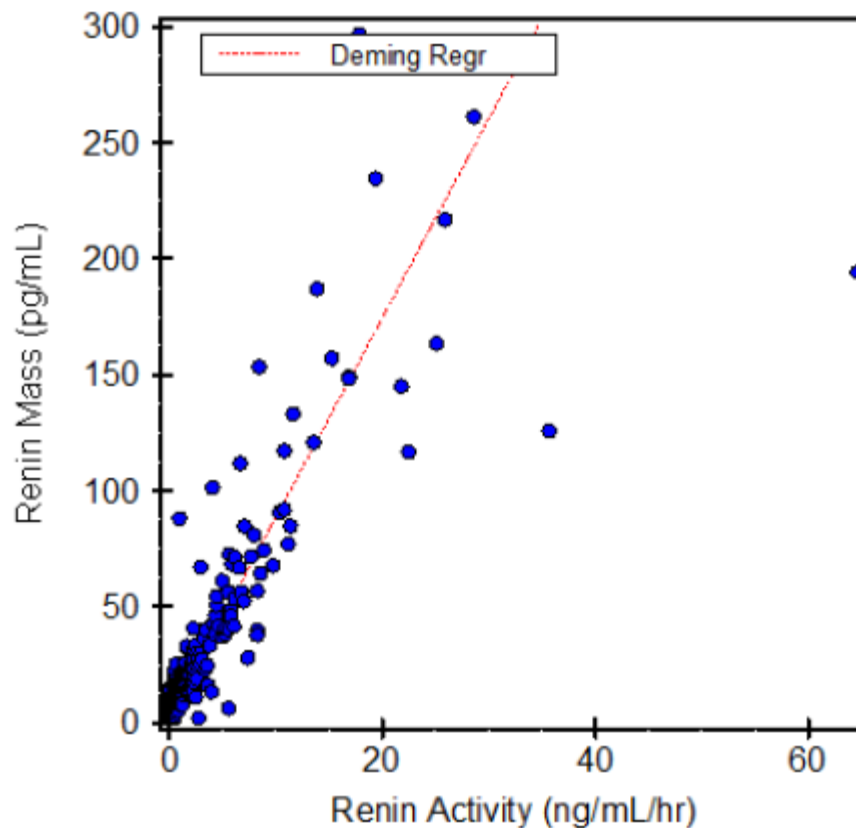
Renin comparison – all data

Regression Analysis

	Deming	Regular
Slope	8.604 (8.093 to 9.114)	6.176 (5.742 to 6.610)
Intercept	2.248 (-1.178 to 5.673)	9.182 (6.272 to 12.091)
Std Err Est	28.000	23.785

95% Confidence Intervals are shown in parentheses

All samples collected in the month of January + 200 previously tested patients with history of hypertension



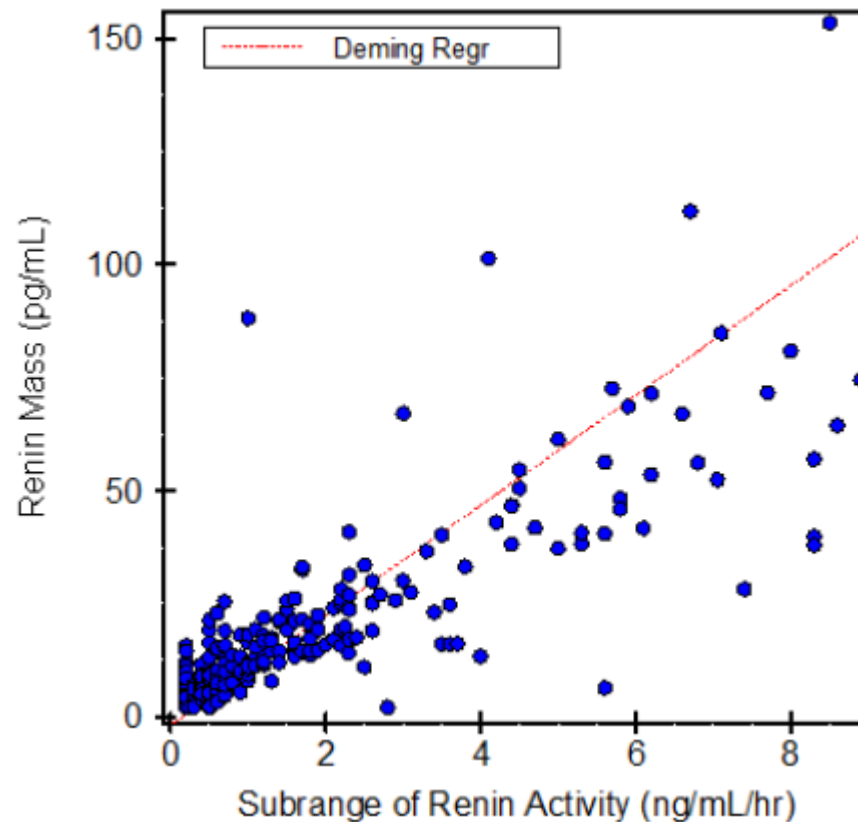
Renin comparison – all data lower range

Regression Analysis

	Deming	Regular
Slope	12.147 (11.374 to 12.919)	8.467 (7.820 to 9.113)
Intercept	-1.801 (-3.749 to 0.147)	3.901 (2.273 to 5.530)
Std Err Est	13.386	11.192

95% Confidence Intervals are shown in parentheses

All samples collected in the month of January + 200 previously tested patients with history of hypertension



Renin comparison – all data lowest range

Regression Analysis

	Deming	Regular
Slope	19.086 (17.323 to 20.848)	8.879 (7.675 to 10.083)
Intercept	-4.391 (-6.253 to -2.528)	3.554 (2.282 to 4.827)
Std Err Est	10.031	6.852

All samples collected in the month of January + 200 previously tested patients with history of hypertension

95% Confidence Intervals are shown in parentheses

