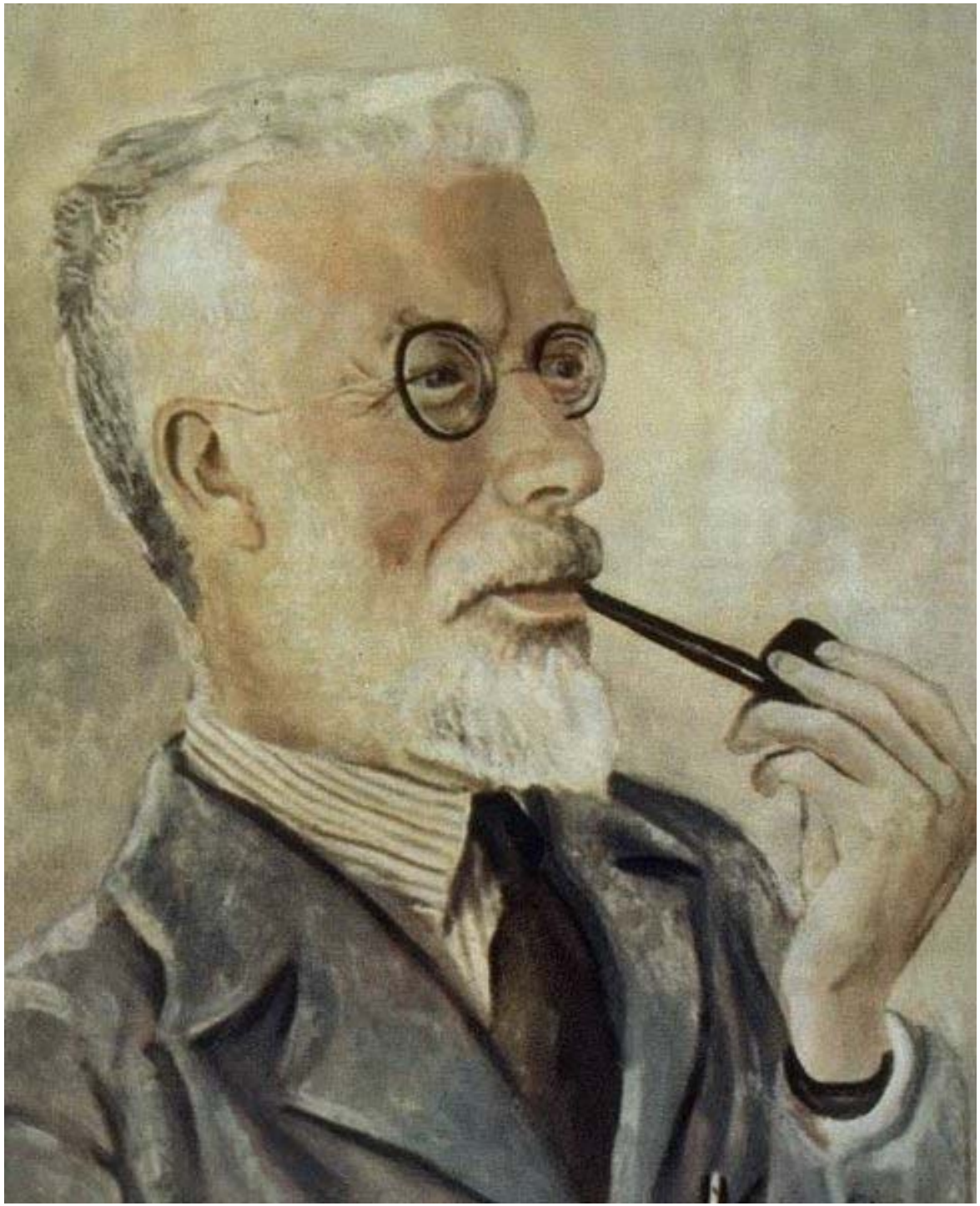
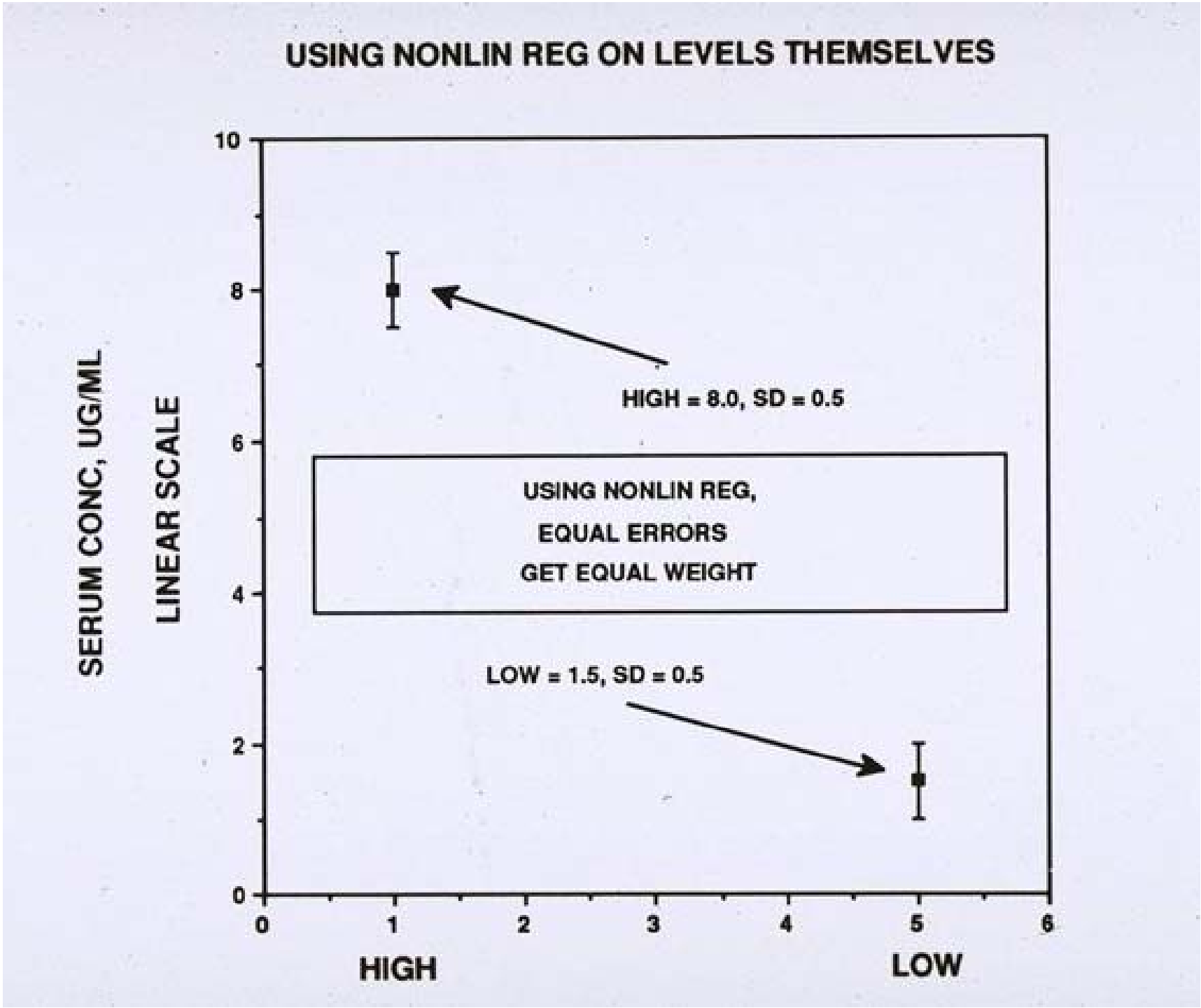
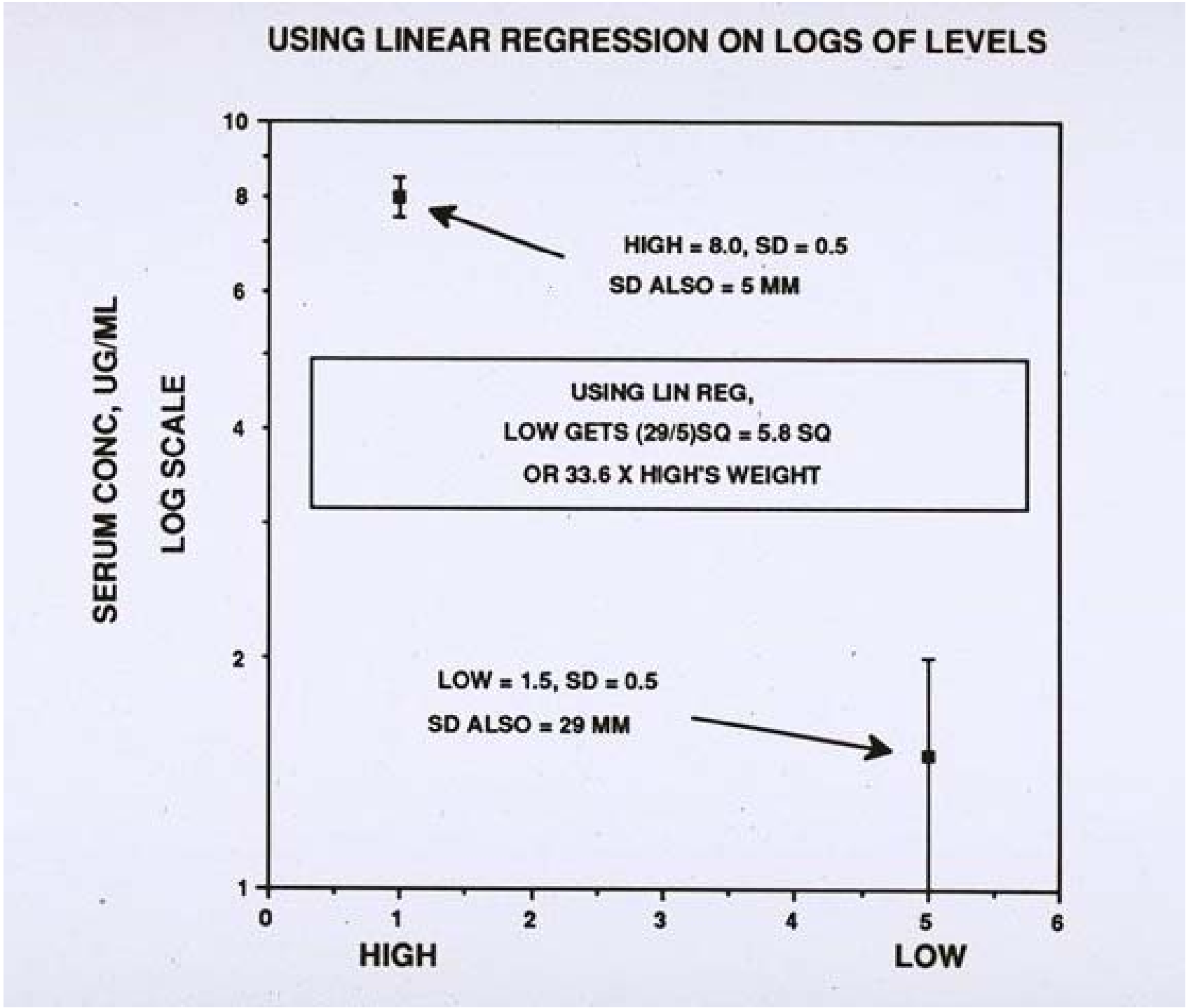
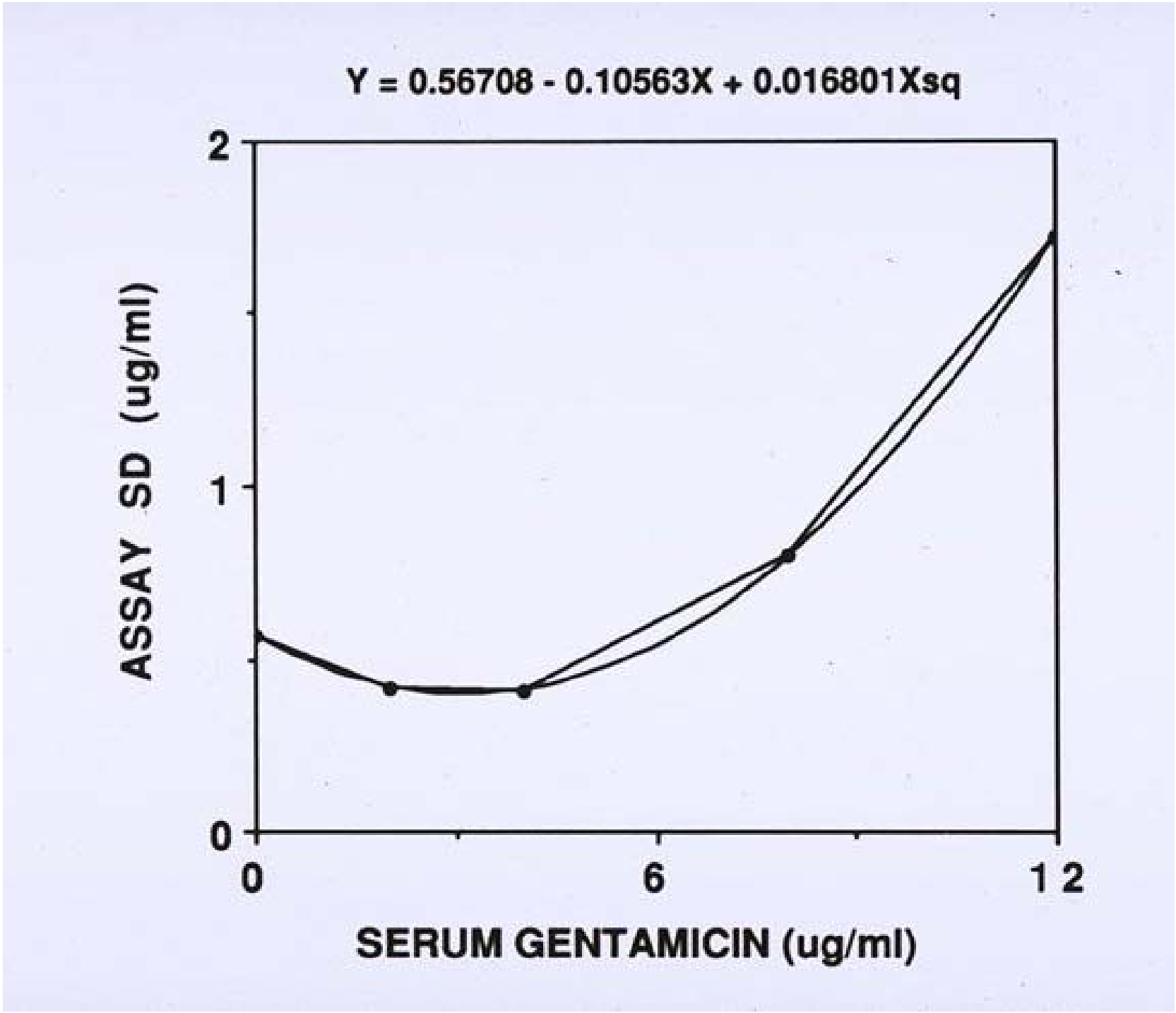
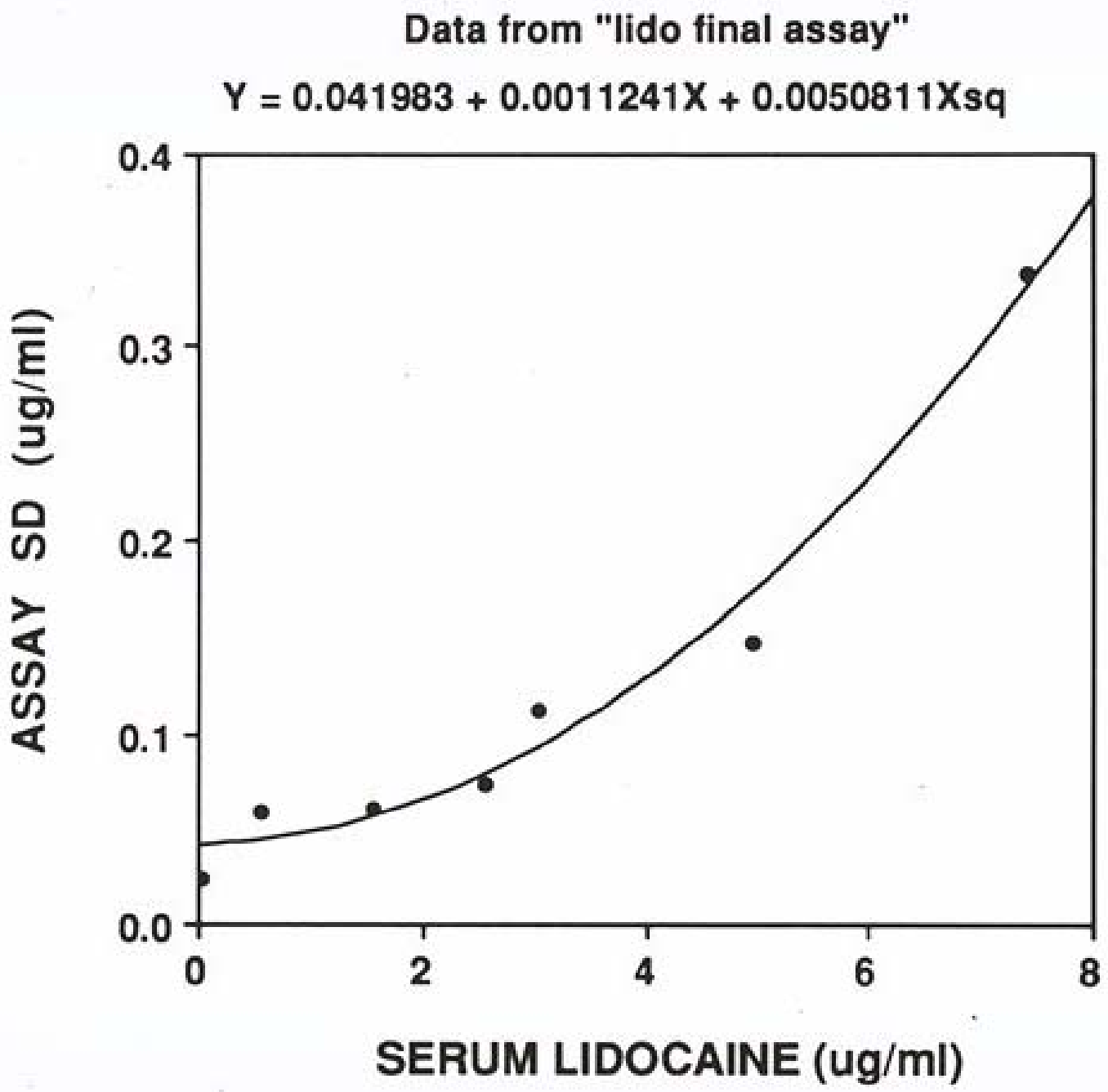
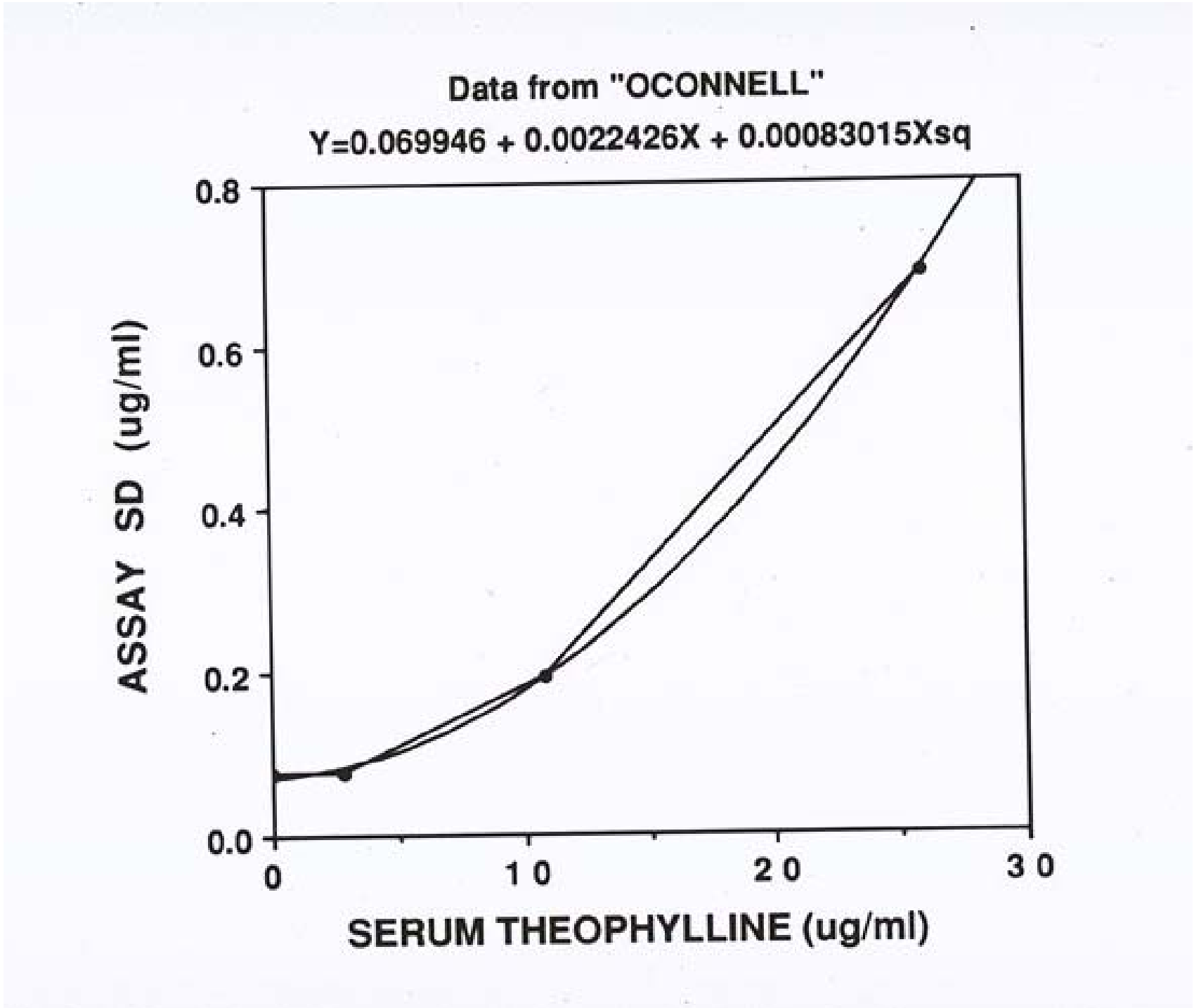


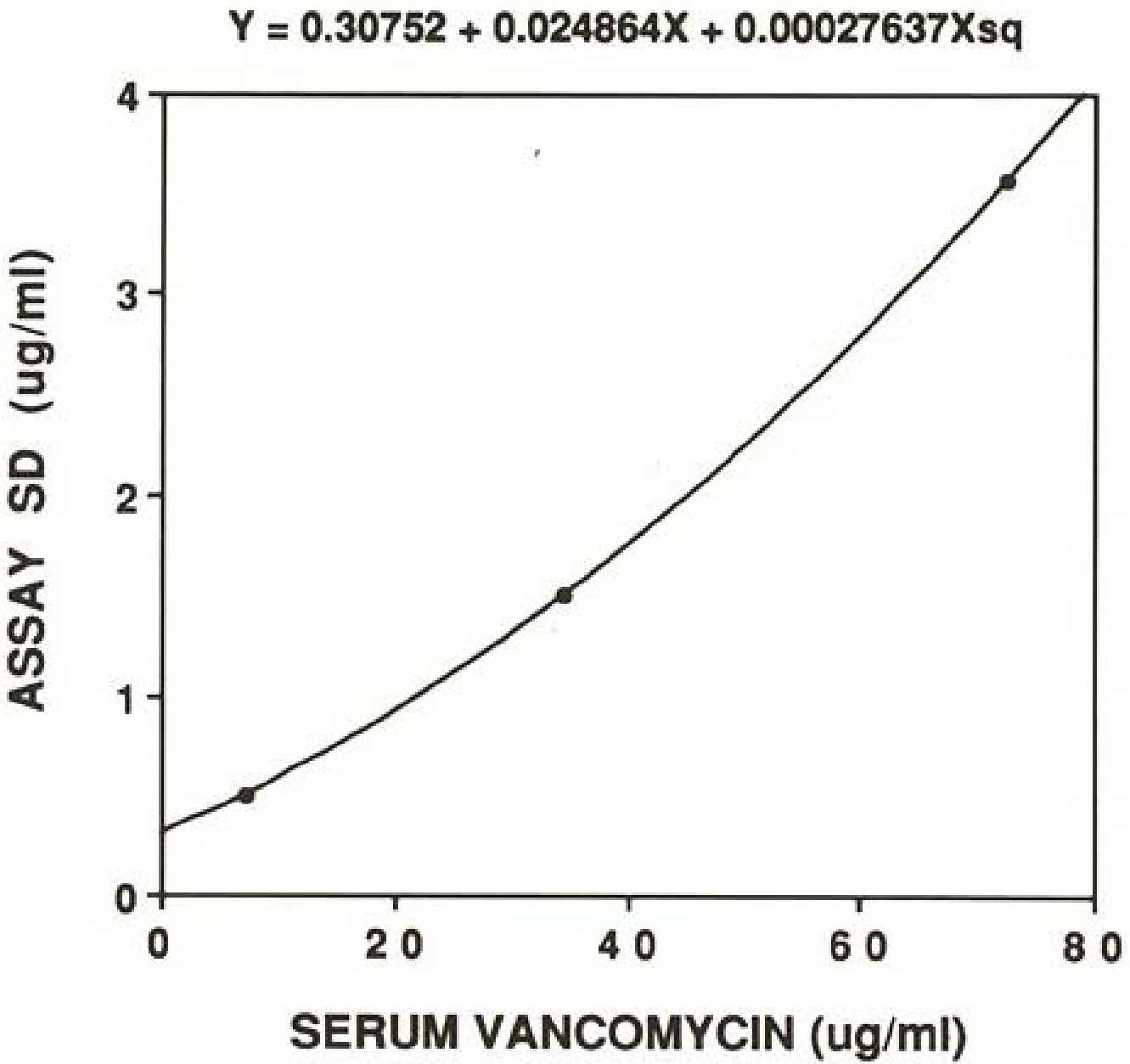

USING NONLIN REG ON LEVELS THEMSELVES
SERUM CONC, UG/ML
LINEAR SCALE
10
8
6
4
2
0
HIGH = 8.0, SD = 0.5
USING NONLIN REG,
EQUAL ERRORS
GET EQUAL WEIGHT
LOW = 1.5, SD = 0.5
0
1
2
3
4
5
6
HIGH
LOW

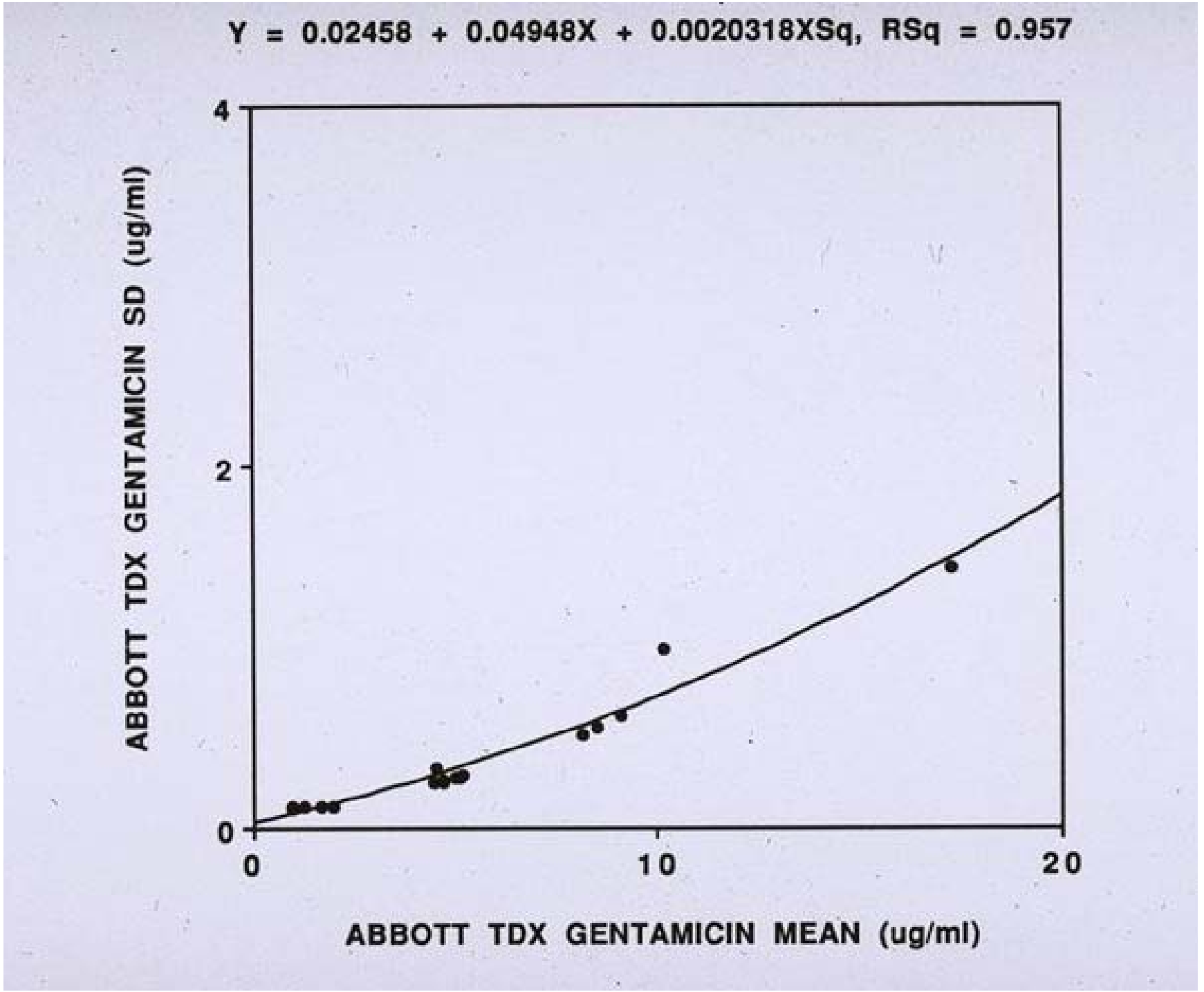

USING LINEAR REGRESSION ON LOGS OF LEVELS
SERUM CONC, UG/ML
LOG SCALE
10
8
6
4
2
1
HIGH = 8.0, SD = 0.5
SD ALSO = 5 MM
USING LIN REG,
LOW GETS (29/5)SQ = 5.8 SQ
OR 33.6 X HIGH'S WEIGHT
LOW = 1.5, SD = 0.5
SD ALSO = 29 MM
0
1
2
3
4
5
6
HIGH
LOW

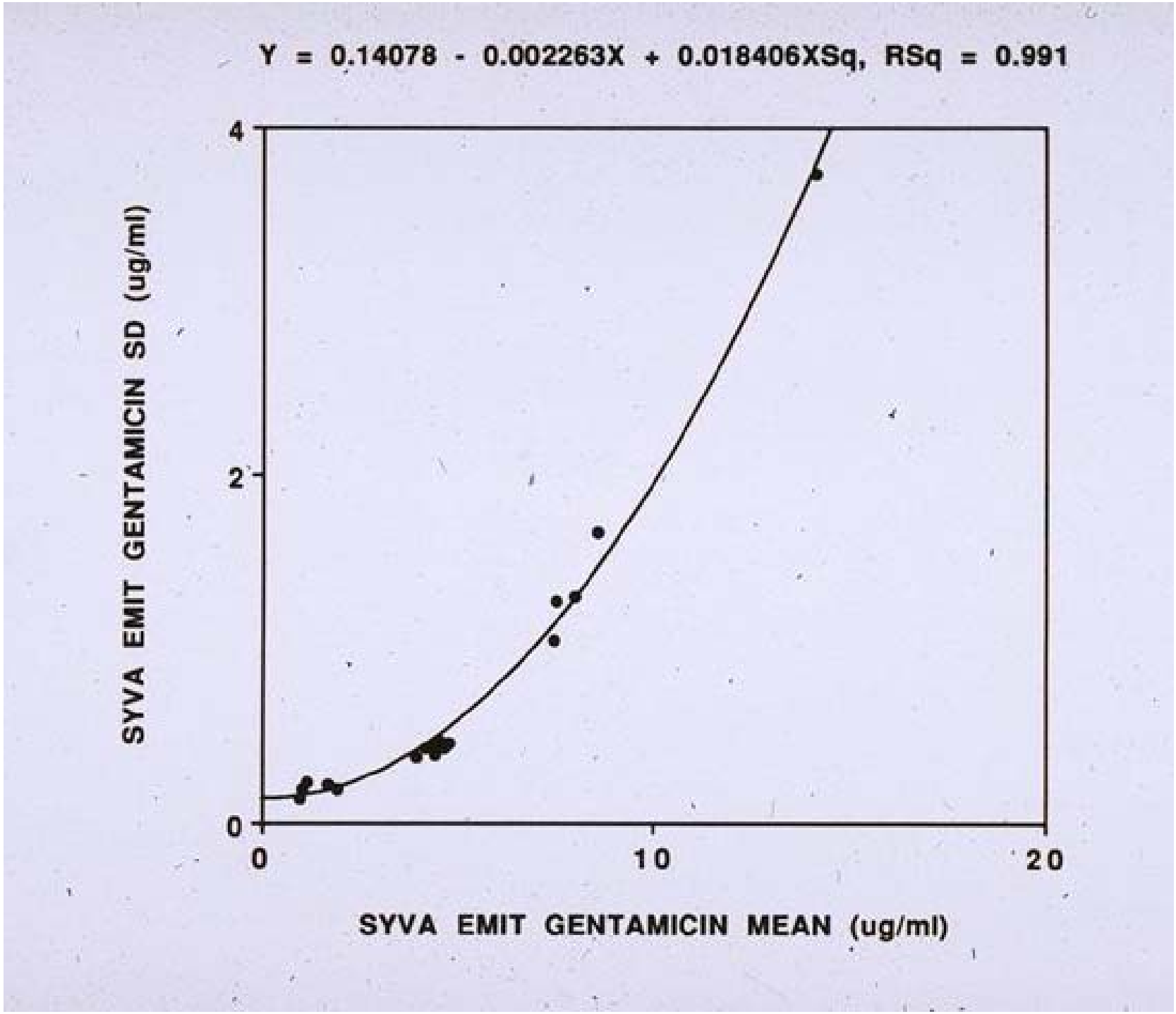

Y = 0.56708 - 0.10563X + 0.016801Xsq
2
1
0
ASSAY SD (ug/ml)
0
6
12
SERUM GENTAMICIN (ug/ml)

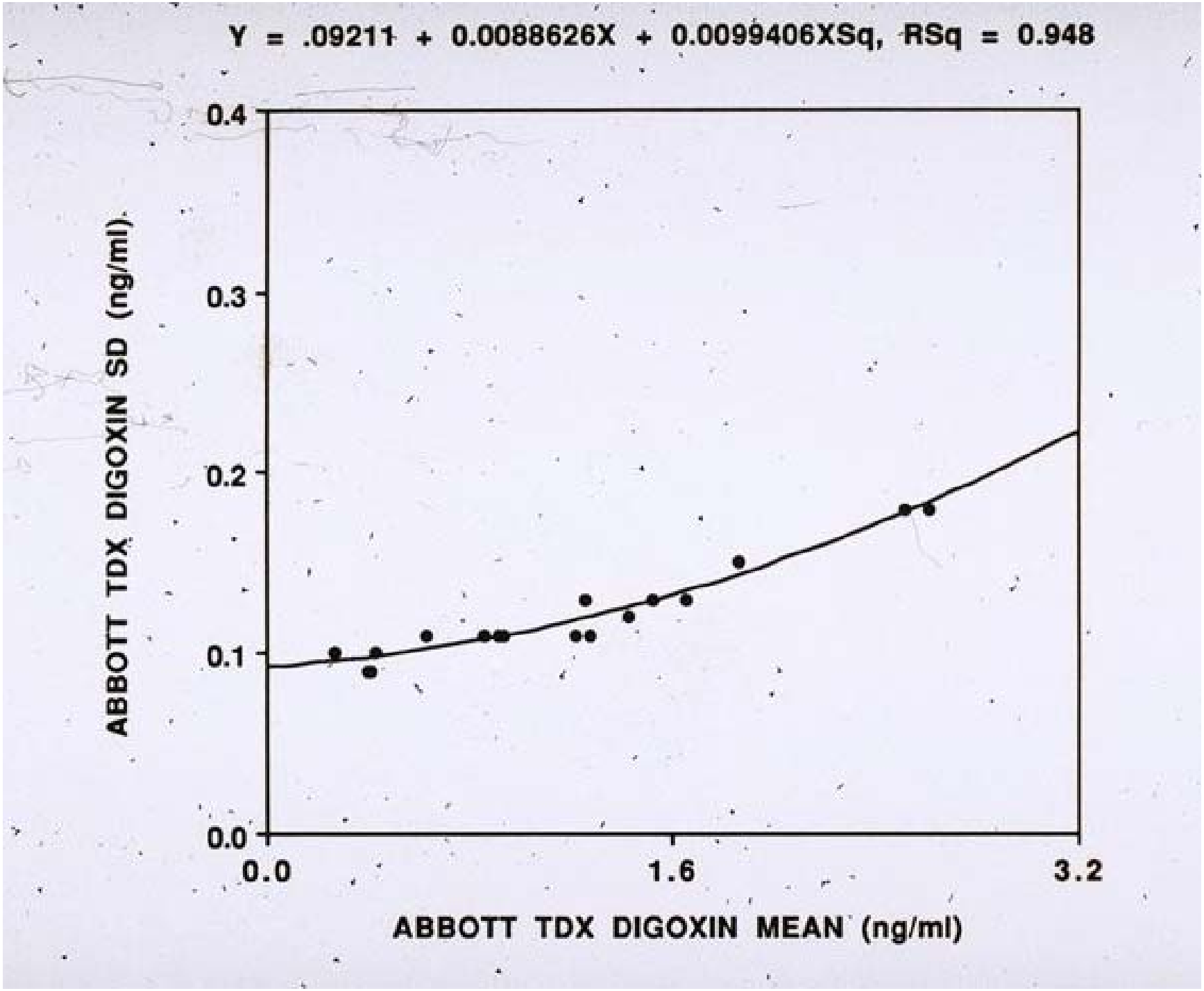

Data from "lido final assay"
Y = 0.041983 + 0.0011241X + 0.0050811Xsq
ASSAY SD (ug/ml)
0.4
0.3
0.2
0.1
0.0
0
2
4
6
8
SERUM LIDOCAINE (ug/ml)

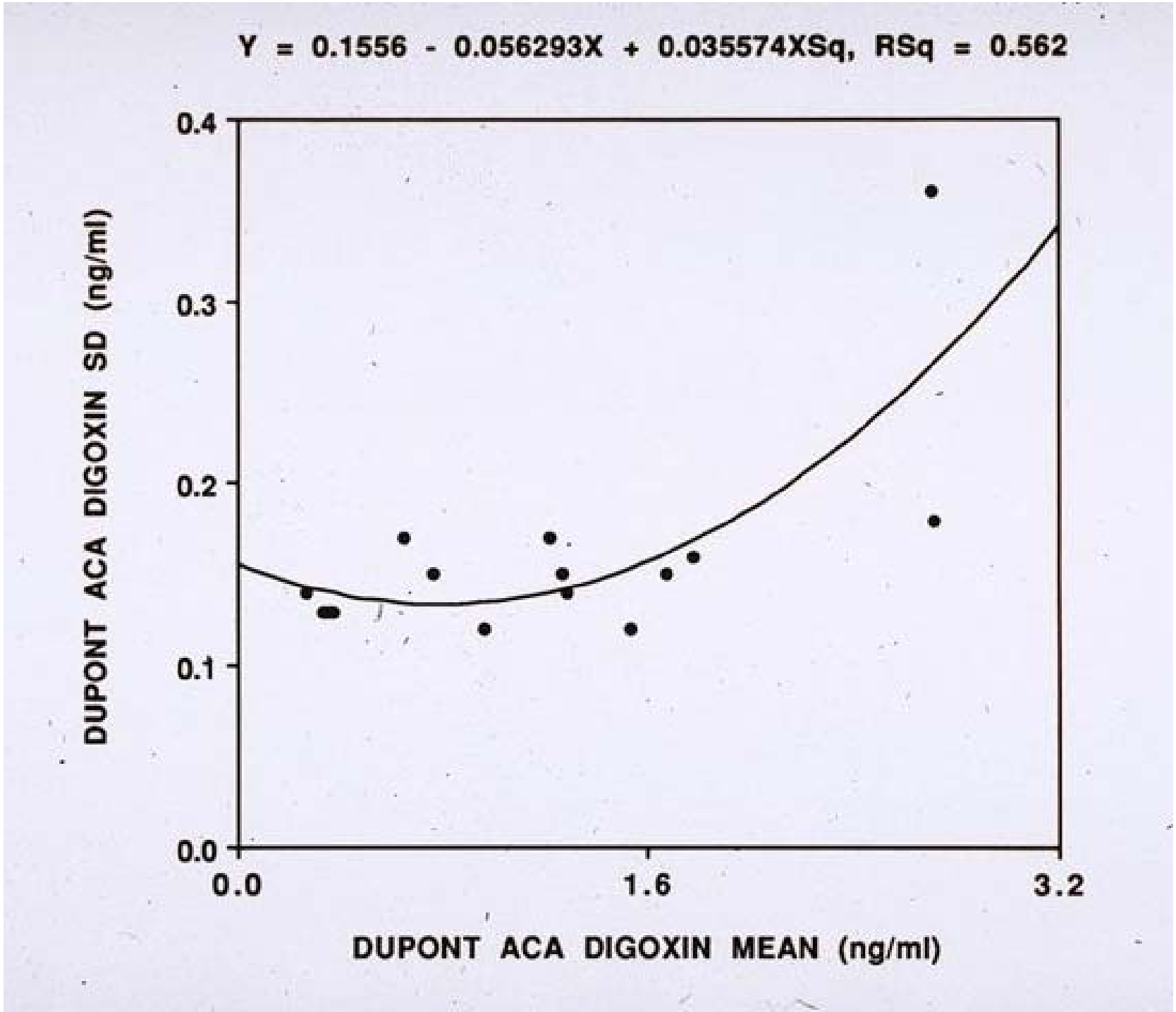

Data from "OCONNELL"
Y=0.069946 + 0.0022426X + 0.00083015Xsq
ASSAY SD (ug/ml)
0.8
0.6
0.4
0.2
0.0
0
10
20
30
SERUM THEOPHYLLINE (ug/ml)

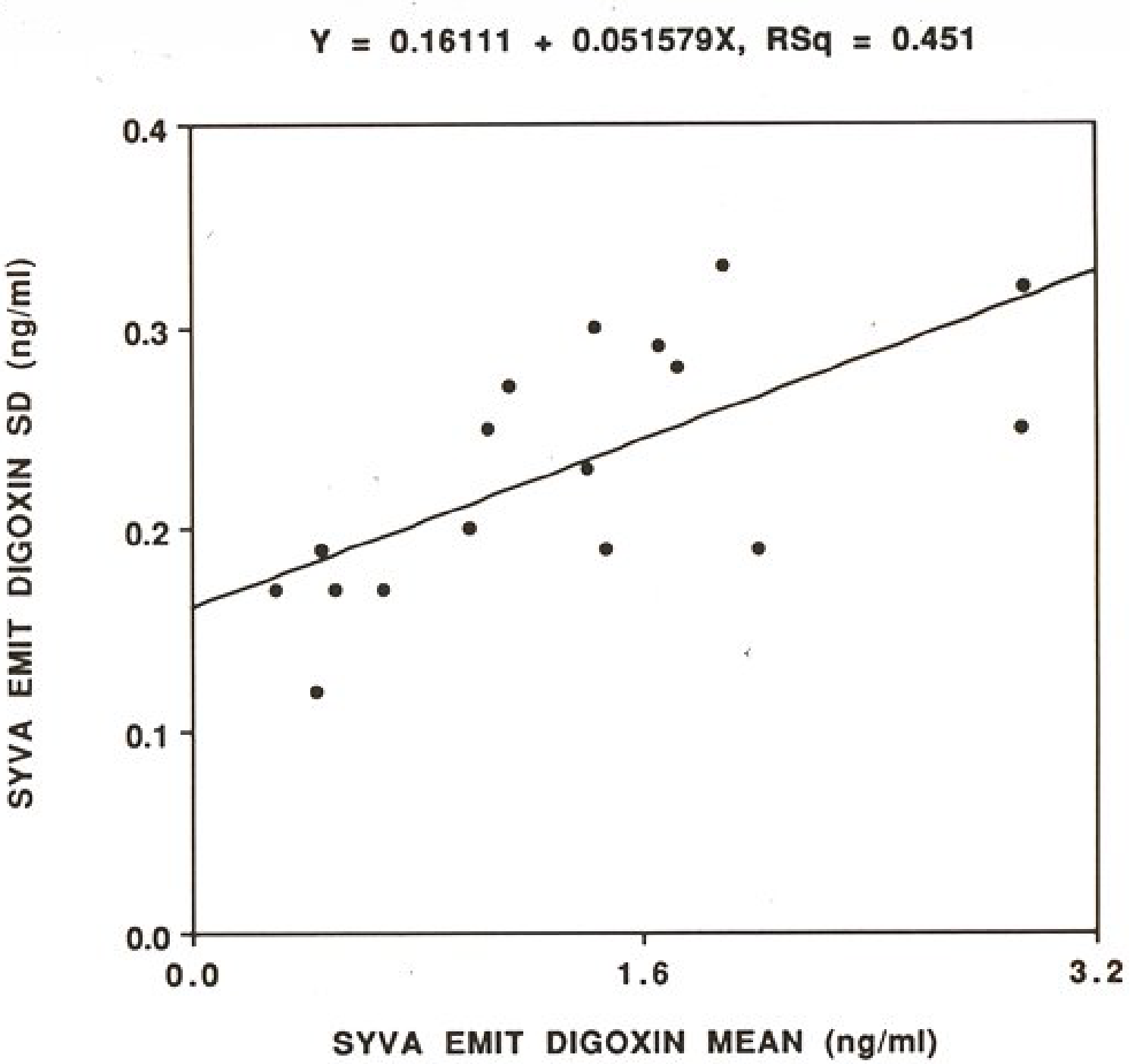

Y = 0.30752 + 0.024864X + 0.00027637Xsq
ASSAY SD (ug/ml)
0
1
2
3
4
0
20
40
60
80
SERUM VANCOMYCIN (ug/ml)


Y = 0.02458 + 0.04948X + 0.0020318XSq, RSq = 0.957
ABBOTT TDX GENTAMICIN SD (ug/ml)
4
2
0
0
10
20
ABBOTT TDX GENTAMICIN MEAN (ug/ml)


Y = 0.14078 - 0.002263X + 0.018406XSq, RSq = 0.991
SYVA EMIT GENTAMICIN SD (ug/ml)
4
2
0
0
10
20
SYVA EMIT GENTAMICIN MEAN (ug/ml)


Y = .09211 + 0.0088626X + 0.0099406XSq, RSq = 0.948
ABBOTT TDX DIGOXIN SD (ng/ml)
0.4
0.3
0.2
0.1
0.0
0.0
1.6
3.2
ABBOTT TDX DIGOXIN MEAN (ng/ml)


Y = 0.1556 - 0.056293X + 0.035574XSq, RSq = 0.562
DUPONT ACA DIGOXIN SD (ng/ml)
0.4
0.3
0.2
0.1
0.0
0.0
1.6
3.2
DUPONT ACA DIGOXIN MEAN (ng/ml)


Y = 0.16111 + 0.051579X, RSq = 0.451
SYVA EMIT DIGOXIN SD (ng/ml)
0.4
0.3
0.2
0.1
0.0
0.0
1.6
3.2
SYVA EMIT DIGOXIN MEAN (ng/ml)