

with
Vibramycin
doxycycline

The lowest effective dose—
 once a day after the first day
 the key:
Long half-life

Half-life of Vibramycin is significantly longer than that of other agents—
 based on single dose studies.

18 HUMAN SUBJECTS	doxycycline 15.1* hours*
18 HUMAN SUBJECTS	demethylchlorotetracycline 12.7 hours*
4 HUMAN SUBJECTS	tetracycline 6.2 hours*

THE HALF-LIFE VALUES BETWEEN DOXYCYCLINE AND TET HAVE A MEAN DIFFERENCE OF
 ± 2.4 HR; STANDARD ERROR OF THE MEAN, 0.37 HR; $t \pm 2.76$, P-VALUE 0.02 AND ARE
 STATISTICALLY SIGNIFICANT

* that of DMCT, 1/2 that of tetracycline.

Life is up

	Average Renal Clearance (as a percent of creatinine clearance)	in human subjects
doxycycline	12.0 ± 2.5^4	(19 HUMAN SUBJECTS)
demethylchlorotetracycline	26.6 ± 8.8^4	(19 HUMAN SUBJECTS)
tetracycline	62.0 ± 8.0^5	(4 HUMAN SUBJECTS)

THE VARIANCE VALUES ACCOMPANYING THE AVERAGE RENAL CLEARANCE %'S REPRESENT $\pm$ ONE
 STANDARD DEVIATION.