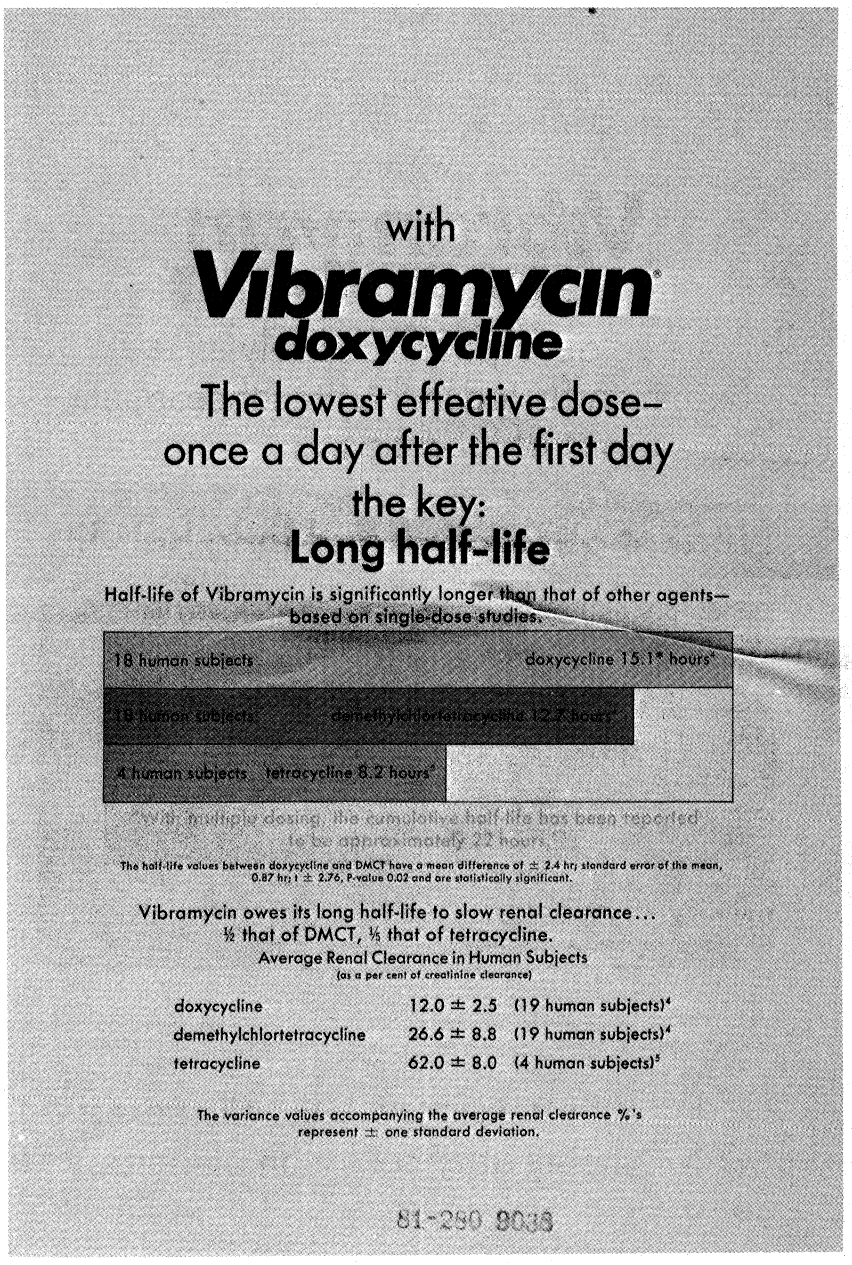
with
Vibramycin®
doxycycline
The lowest effective dose–
once a day after the first day
the key:
Long half-life
Half-life of Vibramycin is significantly longer than that of other agents—
based on single-dose studies.
18 human subjects
doxycycline 15.1* hours[3]
18 human subjects
demethylchlortetracycline 12.7 hours[4]
4 human subjects
tetracycline 8.2 hours[5]
*with multiple dosing, the cumulative half-life has been reported
to be approximately 22 hours.[3]
The half-life values between doxycycline and DMCT have a mean difference of ± 2.4 hr; standard error of the mean, 0.87 hr; t ± 2.76, P-value 0.02 and are statistically significant.
Vibramycin owes its long half-life to slow renal clearance...
½ that of DMCT, ⅛ that of tetracycline.
Average Renal Clearance in Human Subjects
(as a per cent of creatinine clearance)
doxycycline 12.0 ± 2.5 (19 human subjects)[4]
demethylchlortetracycline 26.6 ± 8.8 (19 human subjects)[4]
tetracycline 62.0 ± 8.0 (4 human subjects)[5]
The variance values accompanying the average renal clearance %'s
represent ± one standard deviation.
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