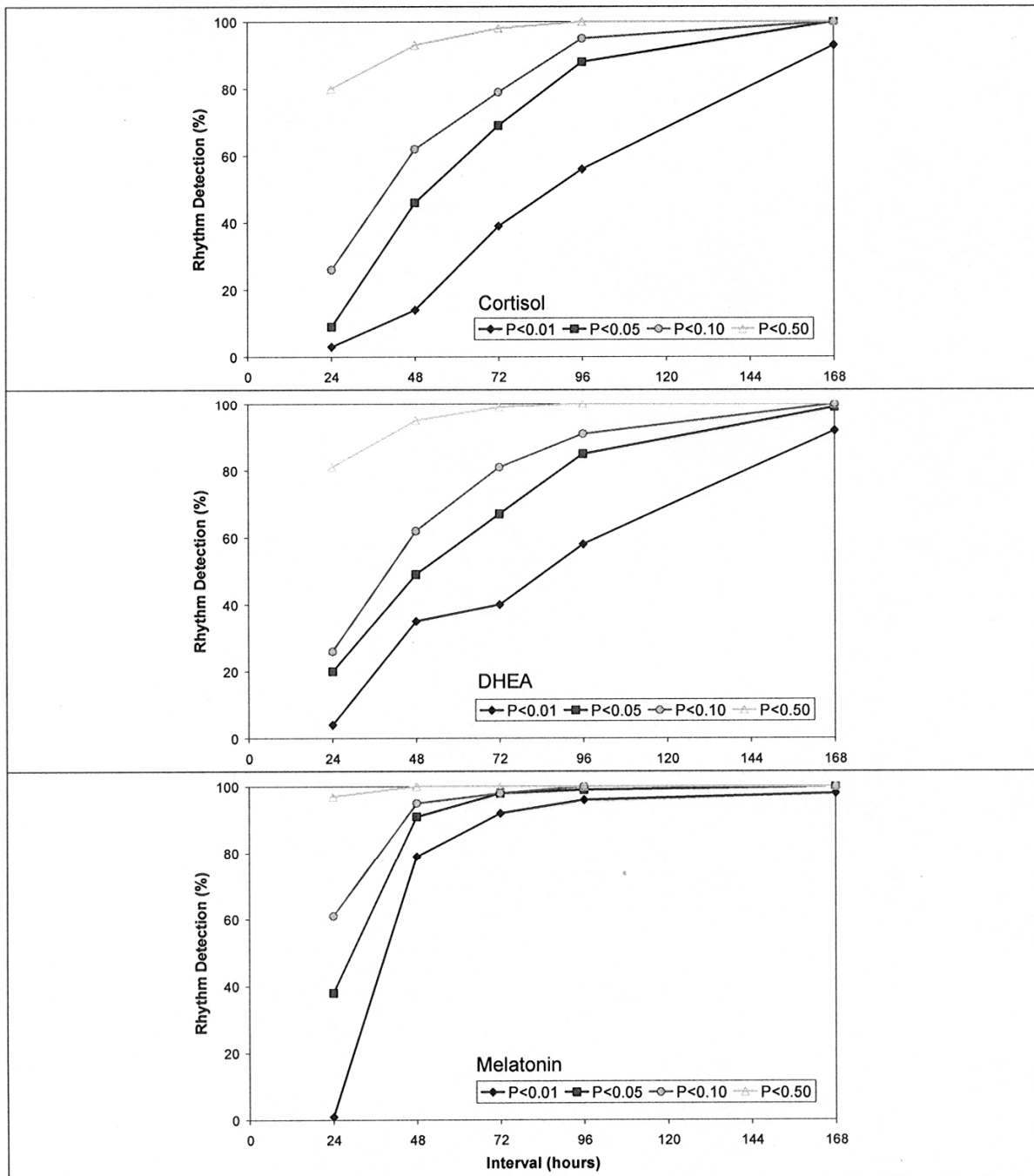
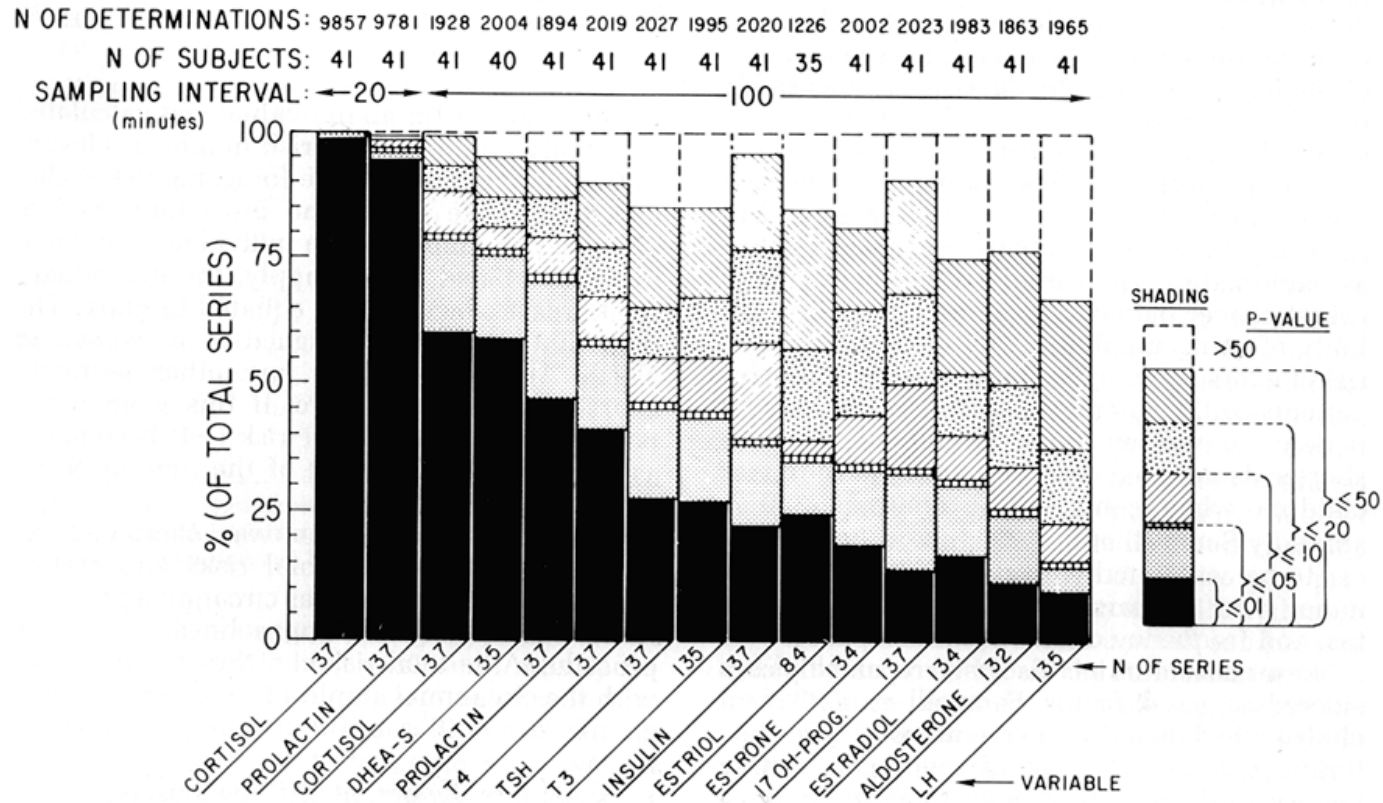


Rhythm Detection and Sampling Requirements *



* From chronobiologic serial sections using a 24-hour increment. P-values are from the zero-amplitude (no-rhythm) test at a trial period of 24 hours. Data (N=737) collected during 133 days, including both 24-hour synchronized and desynchronized states. Data log-transformed prior to analysis ($Y' = \log_{10}(Y+1)$) to render their distribution closer to a normal one.

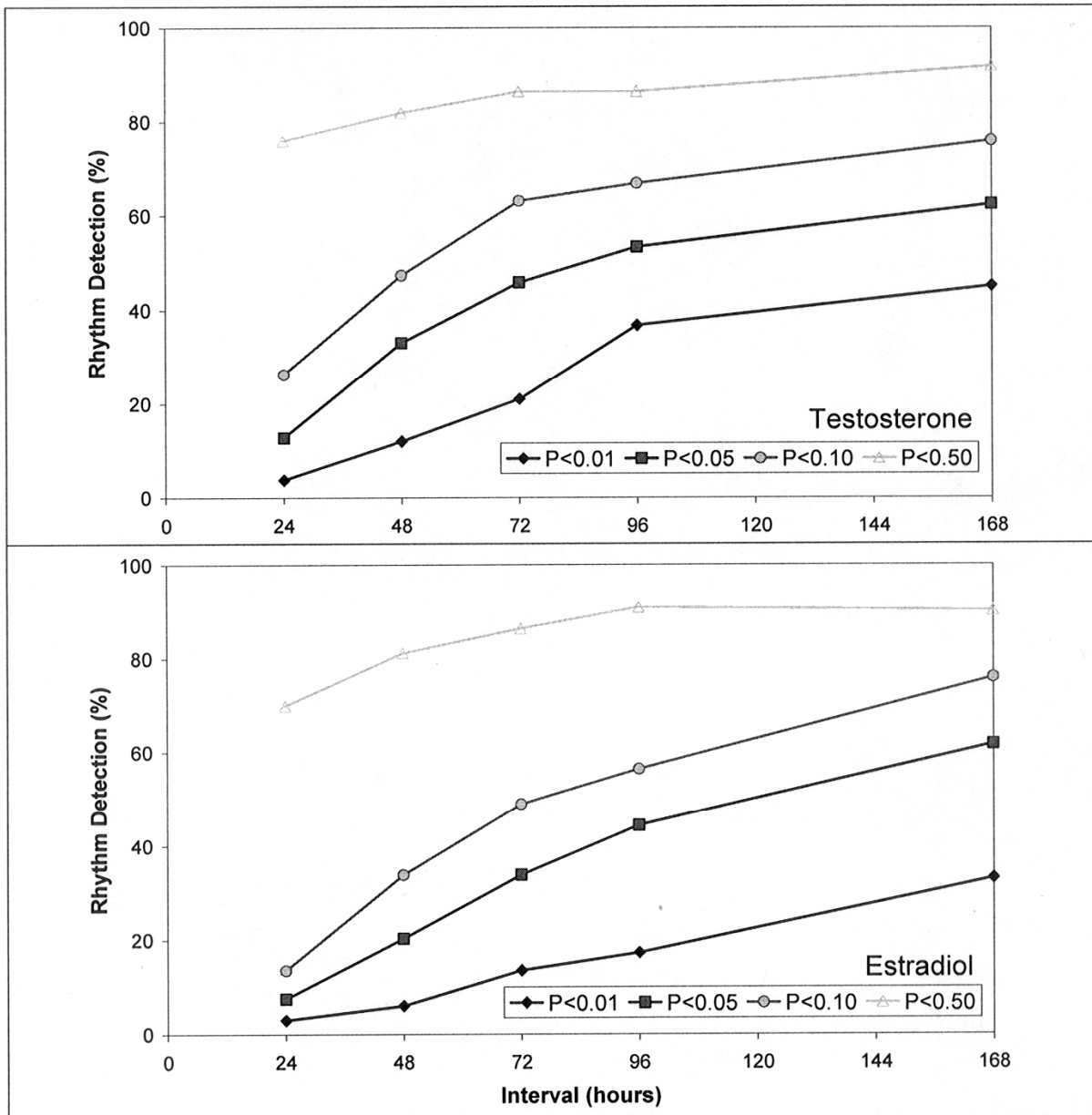
Figure 1. Numbers at each probability level are listed in Table 1.



Comparison of statistical significance of circadian rhythm, assessed by least-squares fit of a 24-hour cosine curve for 13 hormones in plasma of healthy women sampled for *individualized* rhythm assessment. *P* from F-test of zero-amplitude hypothesis. Since the hierarchical statistical significance represented by *P*-values is sampling-dependent, prolactin and cortisol, measured every 20 min, were also analyzed at 100-min intervals as for the other hormones. Total number (*N*) of determinations = 40765, subsequently extended to include a total of 77 hormones. From Halberg F et al. International geographic studies of oncological interest on chronobiological variables. In: Kaiser H, editor. Neoplasms—Comparative Pathology of Growth in Animals, Plants and Man. Baltimore: Williams and Wilkins; 1981. p. 553-596.

Figure

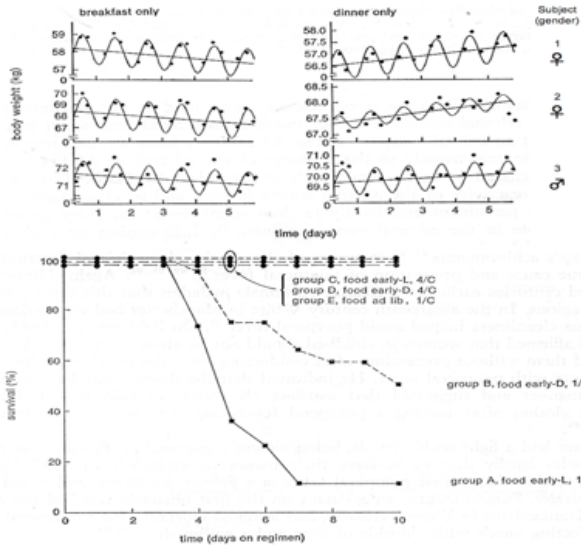
Rhythm Detection and Sampling Requirements *



* From chronobiologic serial sections using a 24-hour increment. P-values are from the zero-amplitude (no-rhythm) test at a trial period of 24 hours. Data (N=737) collected during 133 days, including both 24-hour synchronized and desynchronized states.

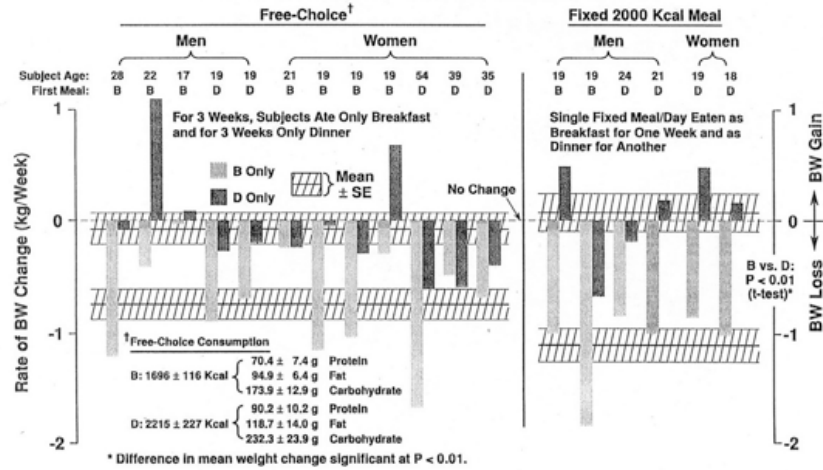
Figure 3.

Timing of calories determines outcomes (gain vs. loss in weight, top; death vs. survival, bottom)

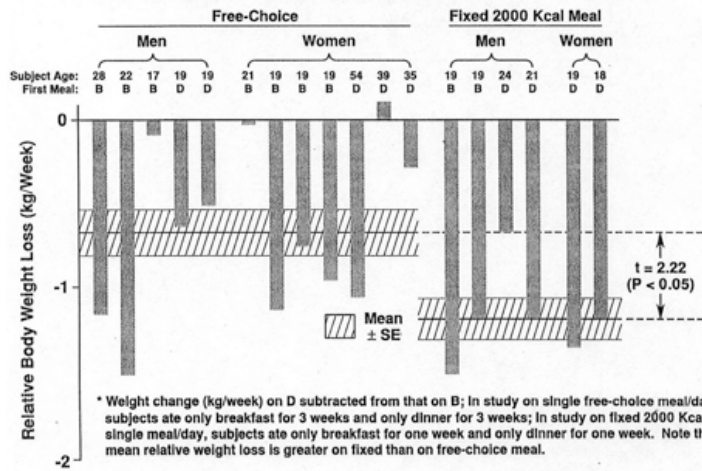


▲A
▲B

MEAL-TIMING AND BODY WEIGHT (BW)
Individual Weight Change Depending on Whether Single Daily Meal - Either Free-Choice or Fixed - Eaten as Breakfast (B) or Dinner (D)*



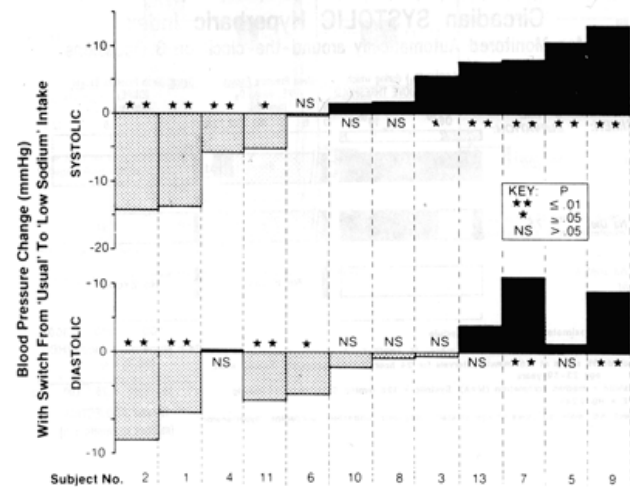
MEAL-TIMING AND BODY WEIGHT
Relative Body Weight Loss for Individuals Consuming Single Daily Meal (Free-Choice or Fixed) as Breakfast (B) or Dinner (D)*



▲C
▲D

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DECREASE, NO SIGNIFICANT CHANGE OR INCREASE OF HUMAN BLOOD PRESSURE WITH REDUCED SODIUM INTAKE¹



¹Subjects asked to reduce salt intake in their usual diet by at least 30 mEq Na/day for two months. Change gauged individually by test of equality (in the two stages) of circadian MESOR (24-h rhythm-adjusted mean). Subject 12 did not contribute data during stage II (reduced salt intake) and is hence not listed