

UNIVERSITY OF COLORADO
MEDICAL CENTER
4200 EAST NINTH AVENUE
DENVER 20, COLORADO

DEPARTMENT OF PEDIATRICS
PREMATURE INFANT CENTER

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COLORADO GENERAL HOSPITAL
COLORADO PSYCHOPATHIC HOSPITAL
SCHOOL OF MEDICINE

Virginia Apgar, M.D.
800 Second Avenue
New York 17, New York

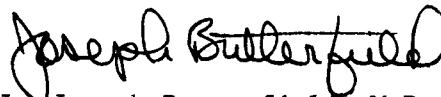
Dear Doctor Apgar:

Enclosed is an epigram of your scoring system which has been quite helpful in instructing medical students, interns and nursing personnel. This was suggested to me by one of our former residents and I send it on to you in the form that I have used in a teaching slide.

We are presently writing up a clinical evaluation of the effect of early feeding of 20 per cent glucose to premature infants with the respiratory distress syndrome. There were 34 infants, weighing 1030 - 1700 grams, in the group; 20 of whom developed the respiratory distress syndrome. In this small series, we were unable to see a correlation of the Apgar score with either the respiratory distress syndrome or mortality. Although your reports of larger numbers of premature infants have shown a positive correlation, I wonder whether the smaller prematures also revealed that association - since in the 14 infants reported in Auld's recent paper (*Am J Dis Child*, 101:713, 1961), there was scattered mortality and in Phillips 1959 report in the *Canad MAJ*, 61 infants, less than 1750 grams, had as many deaths in the eight plus group (10 of 33) as in the seven minus group (9 of 28).

Although I would appreciate your comments on the latter points, I primarily wanted to send you this epigram (at Doctor Lubchenco's encouragement) and tell you that we have found the scoring system an effective means of evaluating the larger infants at birth.

Sincerely,



L. Joseph Butterfield, M.D.
Senior Instructor
Department of Pediatrics

LJB:jt
Enclosure

INFANT EVALUATION AT BIRTH

A = APPEARANCE	BLUE	BODY PINK EXT. BLUE	PINK
P = PULSE	ABSENT	BELOW 100	OVER 100
G = GRIMACE	ABSENT	GRIMACE	COUGH SNEEZE
A = ACTIVITY	LIMP	FLEXION	ACTIVE
R = RESPIRATION	ABSENT	SLOW IRREGULAR	GOOD CRYING

(with apology to VIRGINIA APGAR, MD)