

A Growth Chart for Premature and Other Infants

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From Addenbrooke's Hospital, Cambridge, and Cambridge Maternity Hospital

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FACULDADE DE MEDICINA DE RIBEIRÃO PRETO

PROGRAMA DE PÓS-GRADUAÇÃO EM SAÚDE DA CRIANÇA E DO ADOLESCENTE

DISCIPLINA: DESENVOLVIMENTO NA INFÂNCIA - 2017

ALUNO: IVAN COELHO MACHADO



1. Weight and length from birth at 40 weeks' gestation to 2 years, from the British data of Tanner, Whitehouse, and Takaishi (1966).
2. Head circumference from birth at 40 weeks' gestation to 2 years, from the Harvard data published by Nelson (1964).
3. Weight from 32 to 40 weeks' gestation, from the curves given by Tanner and Thomson (1970) for Aberdeen infants. (later-born infants)
4. Weight at 28 weeks' gestation, from the composite data of Babson (1970).
5. Length and head circumference from 28 to 40 weeks' gestation, from the data of Babson (1970)

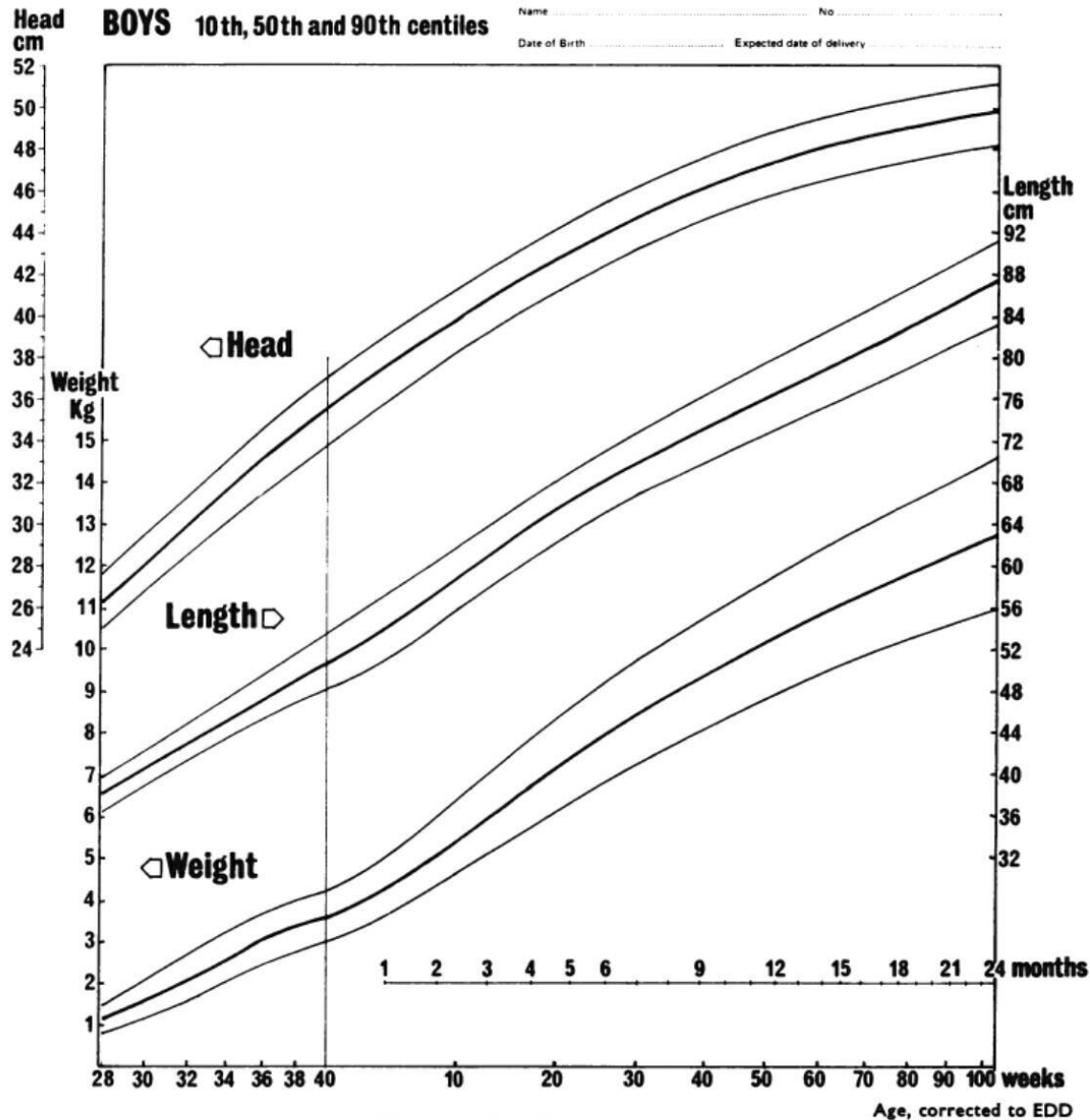


FIG. 1.—Growth chart for boys.



28 semanas - 2 anos



Peso
 Comprimento
 Perímetro cefálico



p10
 p50
 p90

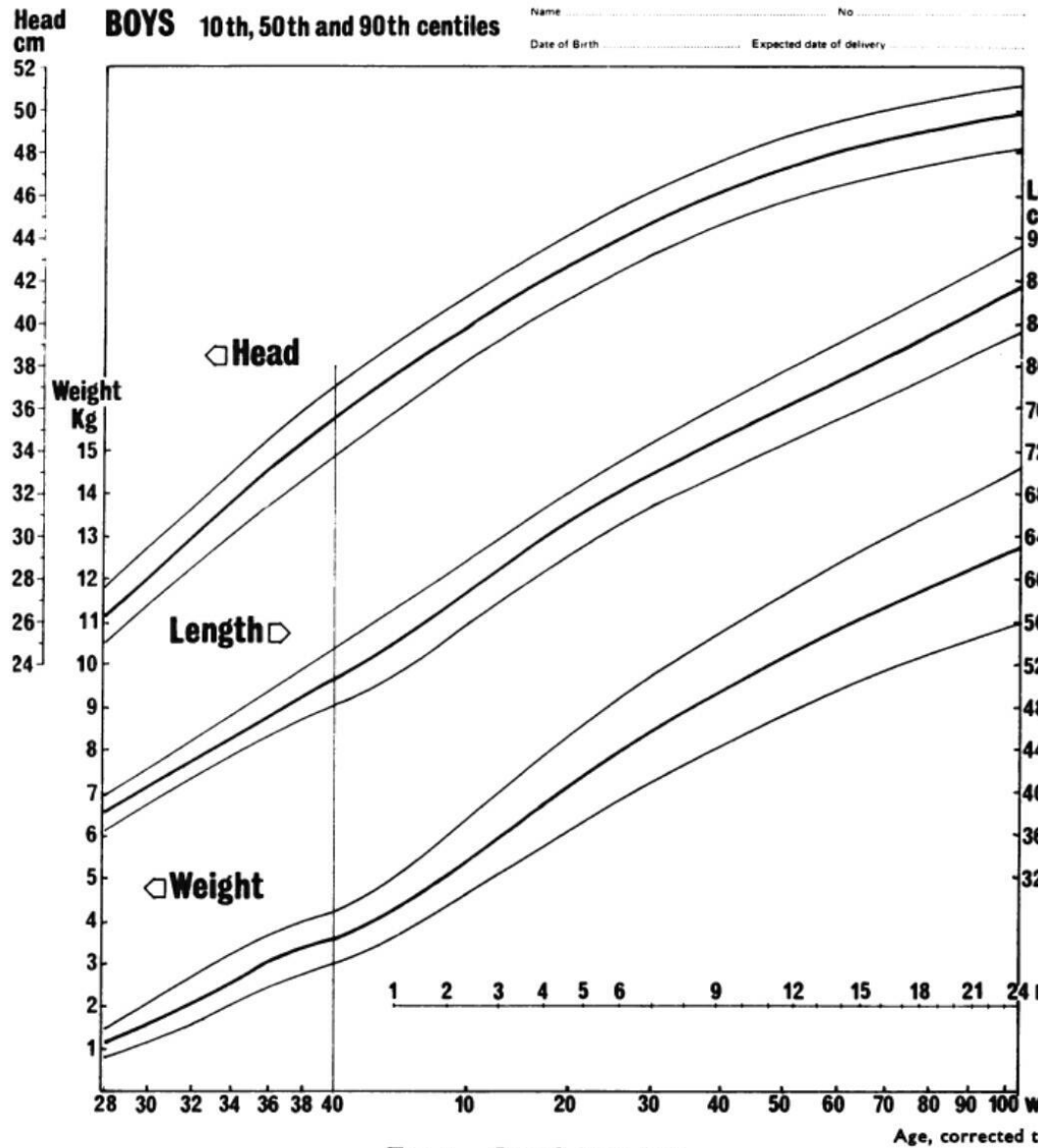


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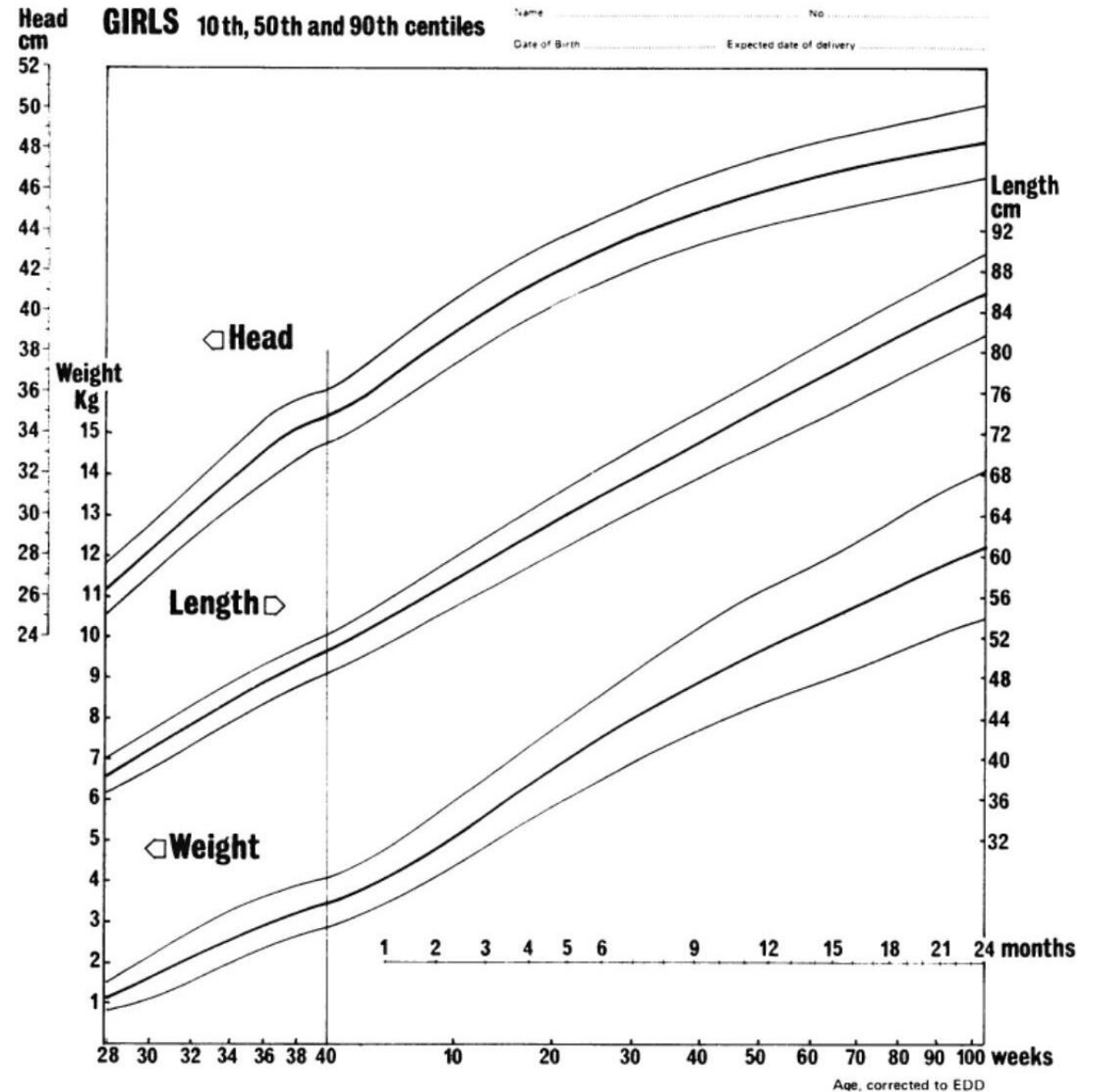


FIG. 2.—Growth chart for girls.

- Curva de 28-40s de IG em continuidade posteriormente
 - RNPT
- Escala de tempo em logaritmo
 - extensão da linha nas primeiras semanas de vida
 - gráfico com tendência à linearidade

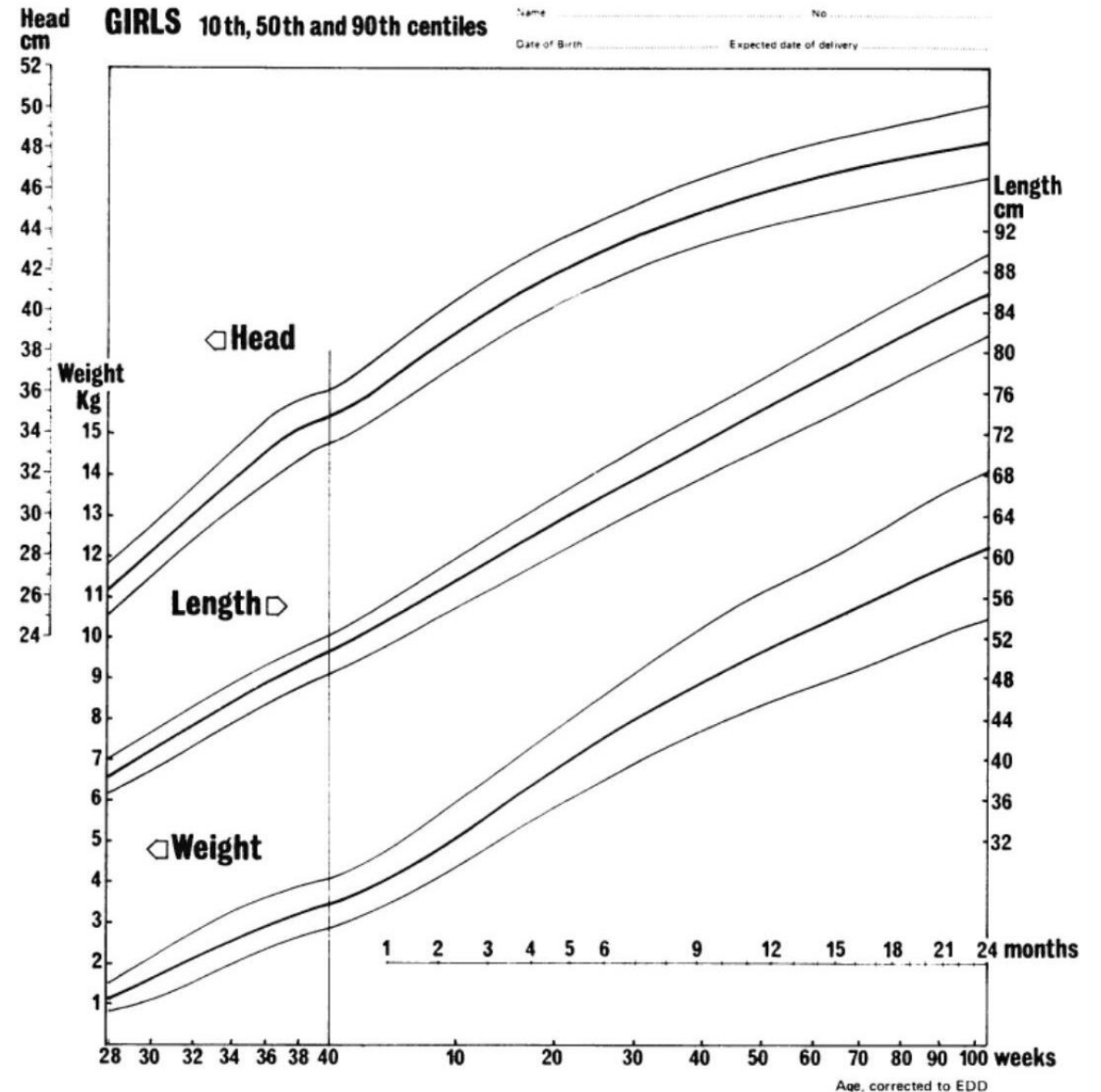


FIG. 2.—Growth chart for girls.

Correção pela prematuridade

- EDD = Expected Date of Delivery
 - 40 semanas = 128 dias após DUM
- Prematuro – corrigir semanas
- Não há necessidade de correção para >40s



Exemplos



1 - Prematuro (28s)

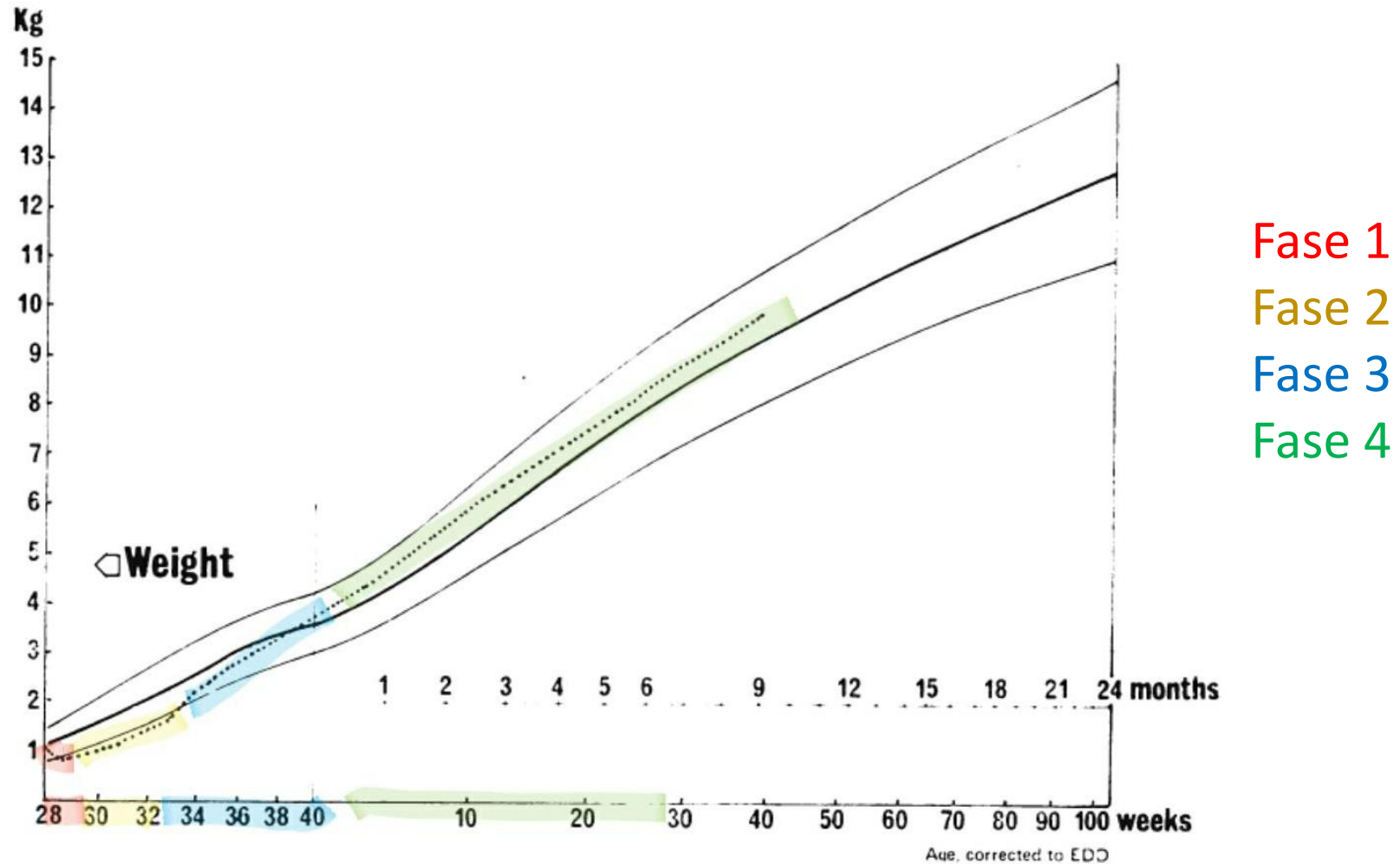


FIG. 3.—Weight chart of a healthy premature (male) infant, weight 1.1 kg at 28 weeks. After the initial weight loss, growth at first runs parallel to the fetal weight curve (29–33 weeks), after which there is a phase of rapid growth, leading to a normal weight at the 'expected date of delivery'.

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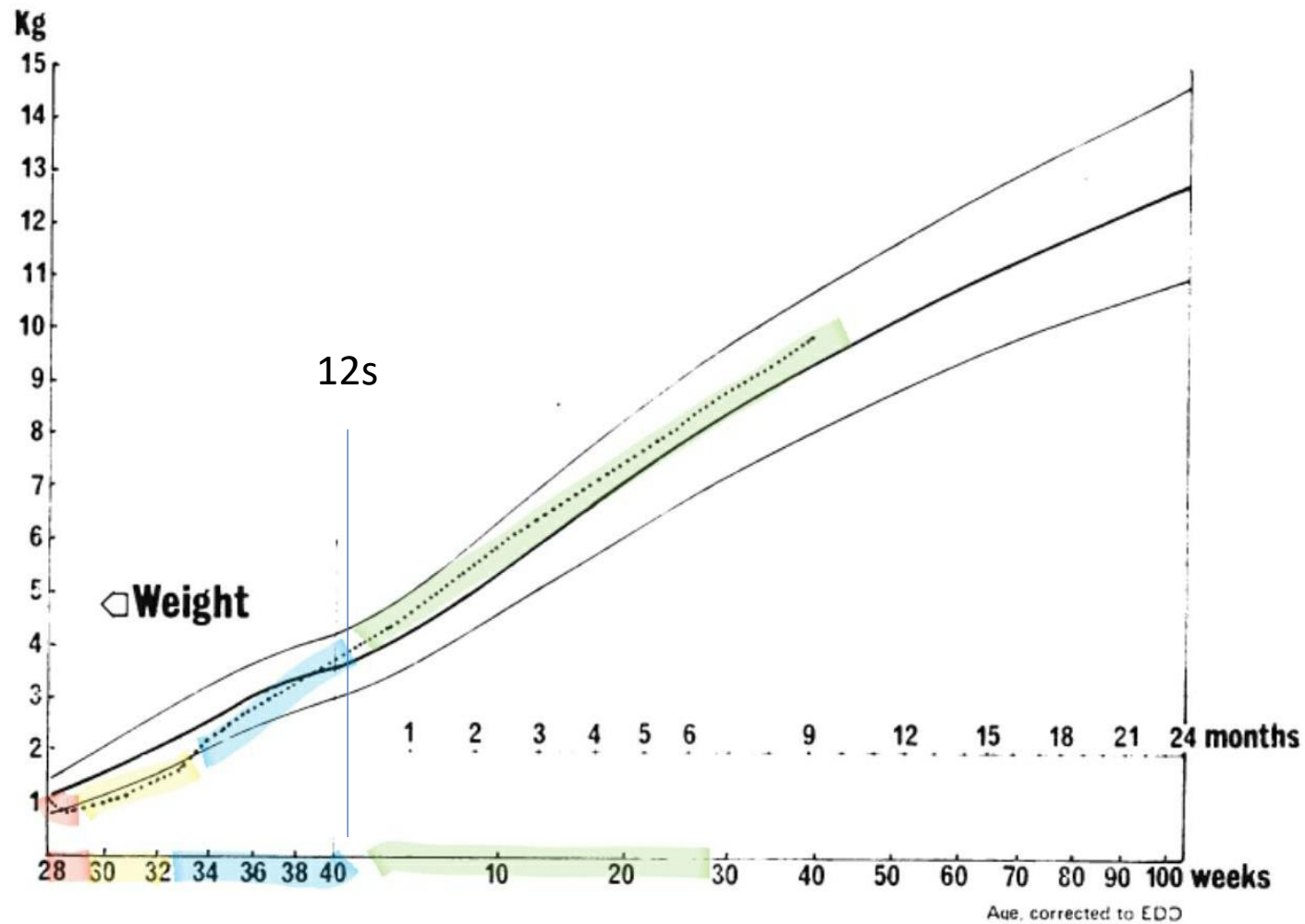
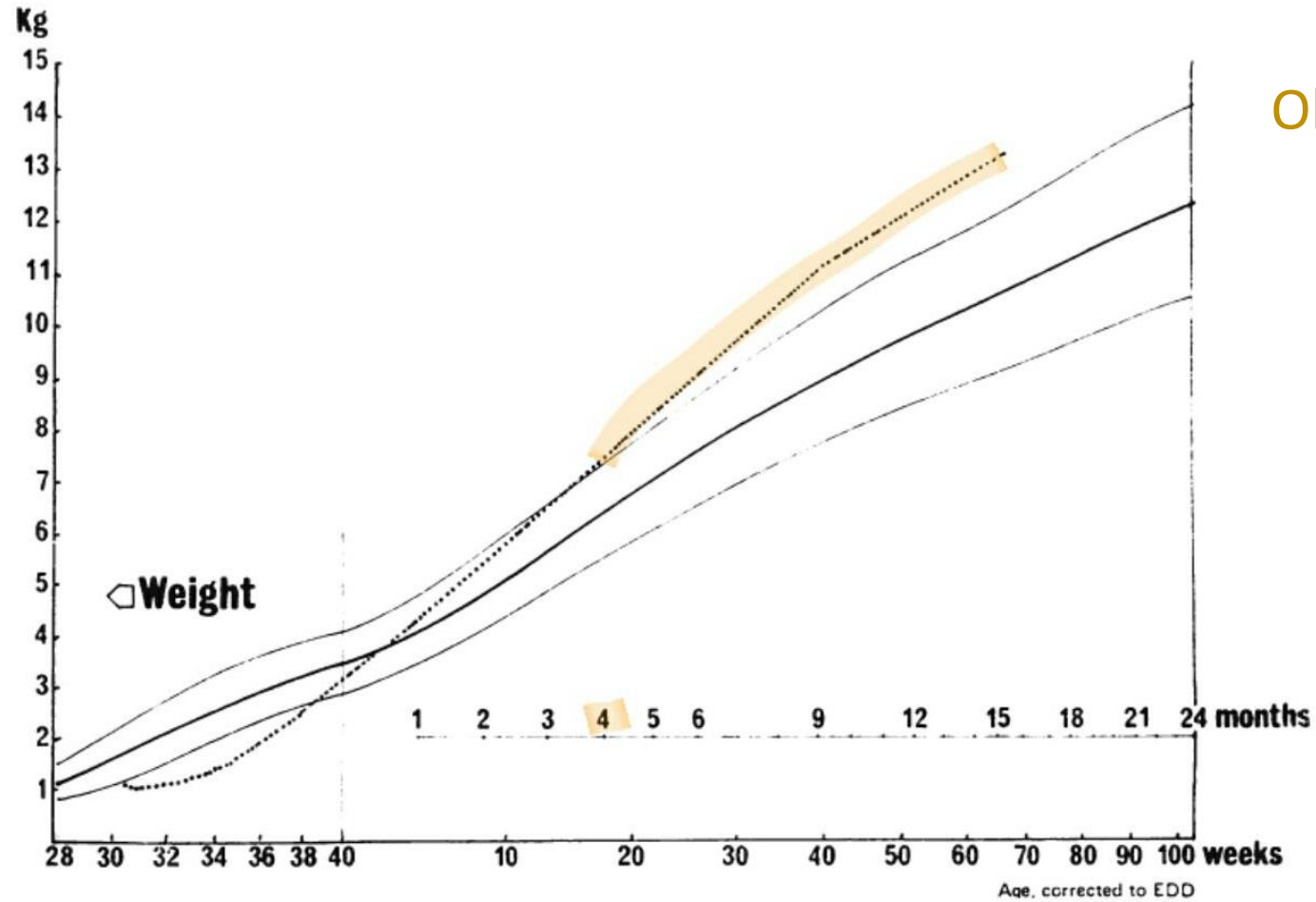


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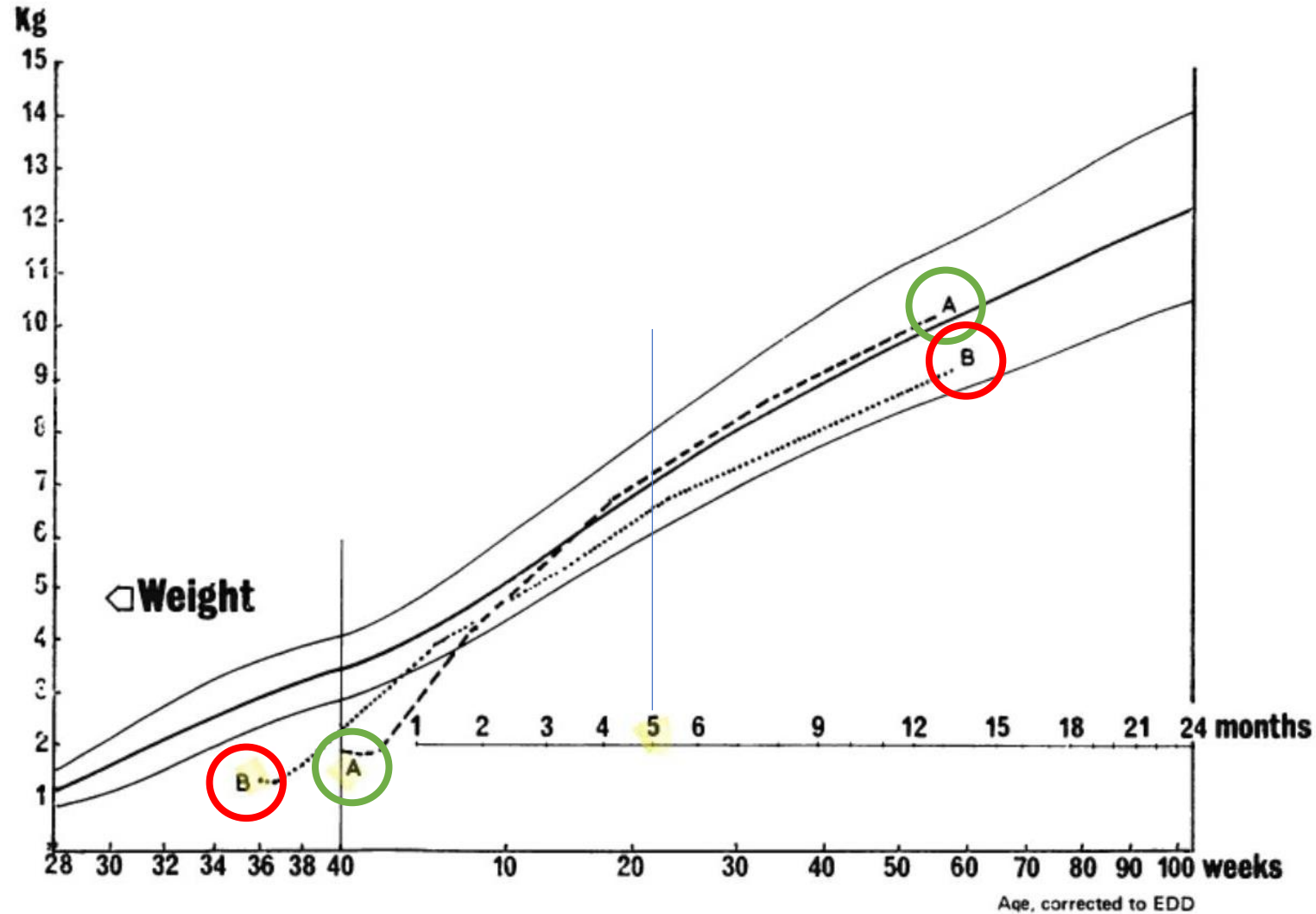
2 - Prematuro (30s)



Obesidade

FIG. 4.—Development of obesity in a premature (female) infant, weight 1.1 kg at 30½ weeks' gestation. After a 'physiological' phase of accelerated growth from 35 weeks' gestational age, there was a persistence of rapid weight gain, which led to obvious obesity after the (corrected) age of 4 months.

3 - Pequenos para a idade gestacional



A

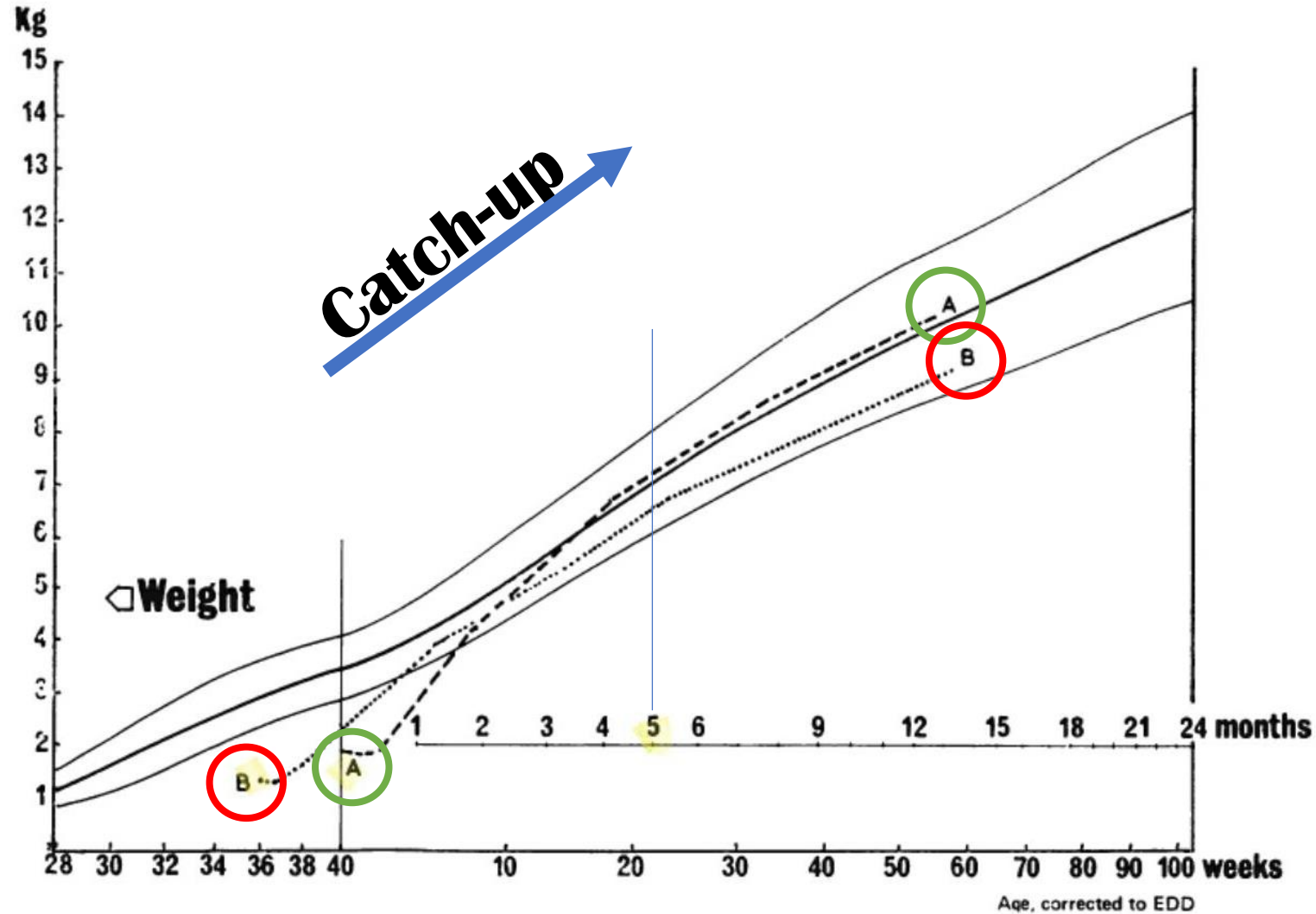
Termo
1.9kg = 59% do esperado

B

Prematuro – 36s
1.3kg = 45% do esperado

FIG. 5.—'Catch-up' growth in two 'small-for-dates' (female) infants; A born at term, B at 36 weeks' gestation (see text).

3 - Pequenos para a idade gestacional



A

Termo
1.9kg = 59% do esperado
Aceleração em 7 semanas

B

Prematuro – 36s
1.3kg = 45% do esperado
Aceleração por 5 semanas

Média de 43g/dia
Geralmente 24g/dia

FIG. 5.—'Catch-up' growth in two 'small-for-dates' (female) infants; A born at term, B at 36 weeks' gestation (see text).

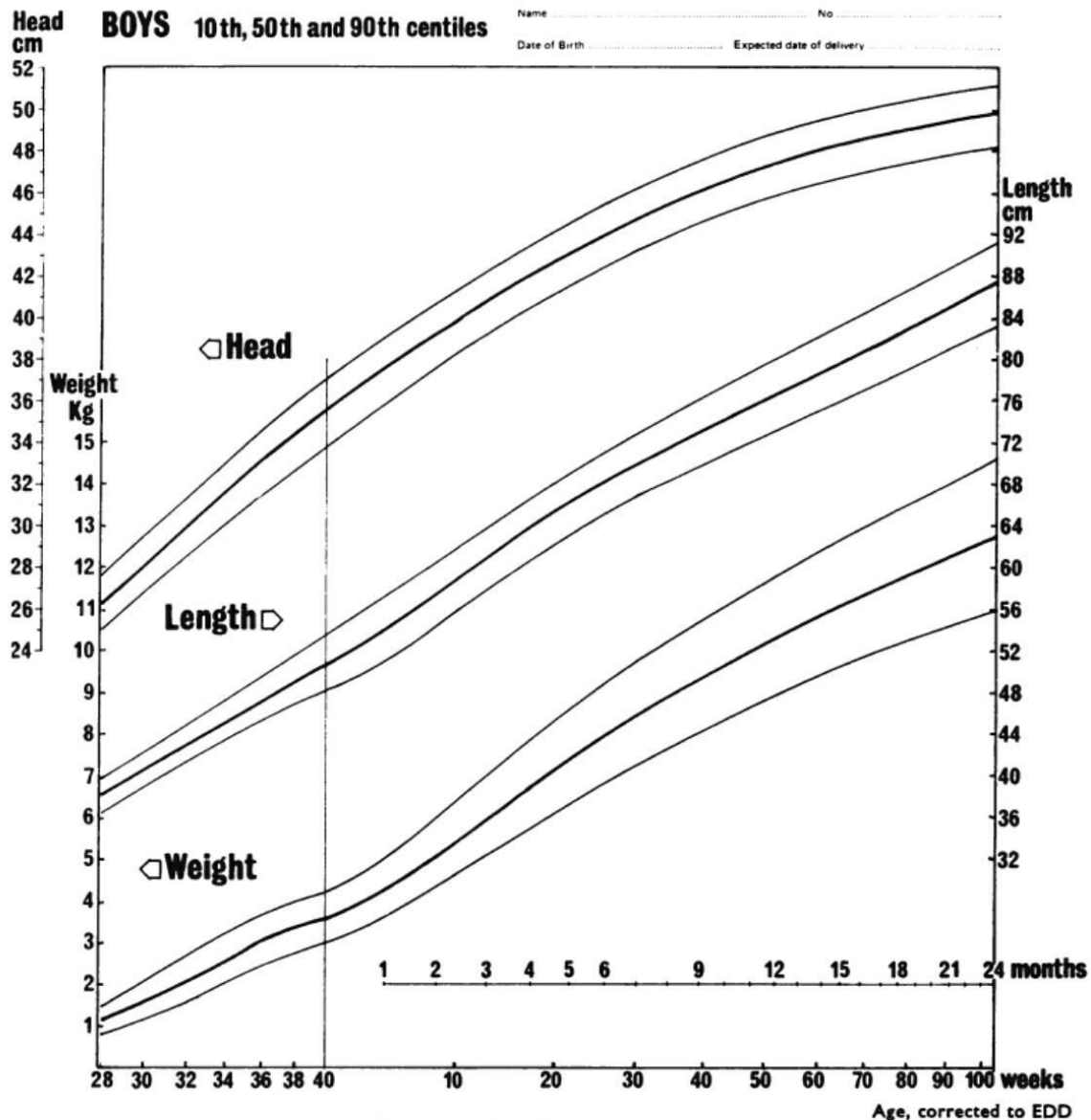


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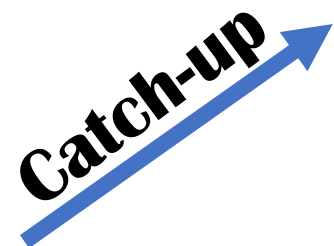
28 semanas - 2 anos



Escala de tempo em logaritmo



Correção pela prematuridade



Baixo peso ao nascimento

