

HEARING PROFILE IN NORMAL PREGNANCY

Thesis Submitted in Partial Fulfilment
of the Master Degree in
AUDIOLOGY

Ву

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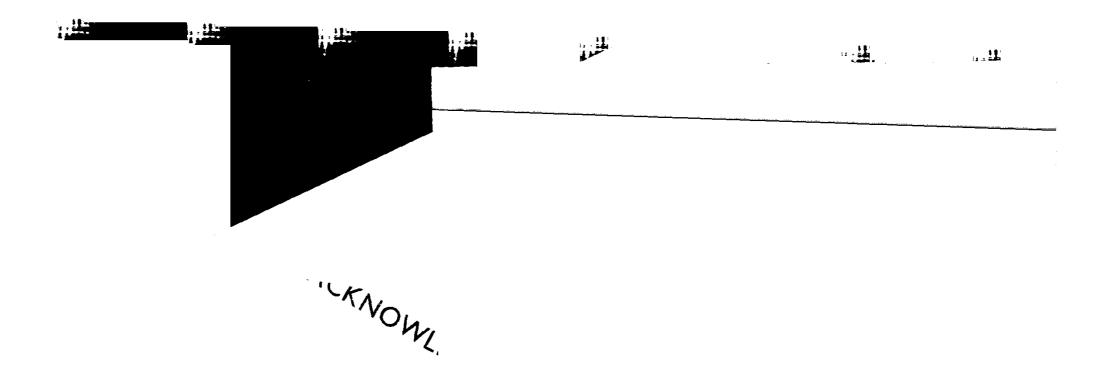
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«To the memory of my Mother»

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INTRODUCTION

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INTRODUCTION

Pregnancy is a physiological process that starts from the fertilization of a mature evum by a mature sperm. The normal duration of pregnancy is estimated as 40 weeks (280 days) ± 2 weeks, calculated from the first day of the last menstrual period in patients with regular monthly cycles.

Pregnancy is a state of continuous physical adaptation to meet and indeed to anticipate the demands of the growing fetus and to provide a stable environment in which its growth can take place. The degree to which this adaptation takes place is generally in excess of fetal needs, so that there is a considerable reserve capacity to meet periods of stress or deprivation without altering the fetal environment. The changes that occur involve almost every system in the body (J.C. McClure Browne, Geoffrey Dixen, 1978).

The endocrine alterations that accompany human pregnancy are among the most remarkable recorded in human physiology or pathophysiology. Consider the following. In the pregnant woman, at or near term, there is a daily 1

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production of 15 - 20 mg of estradiol 17 B, 50 -100 mg of estriol, 250 - 300 mg of progesterone, 1 - 2 mg of aldosterone; and 3 - 8 mg of deexy corticosterone (DOC).

of plasma renin, angiotensinogen, and angiotensin II, together with the daily production of 1g of human placental lactogen (HPL); massive quantities of human chorionic genadotropin (HCG); and likely human cherionic thyrotropin (HCT), cherionic ACTH, and possibly cherionic TRH, LHRH, and Sematestatin. Thus, the most remarkable physiclogic event of pregnancy may be the establishment of mechanisms by which the gravid weman and her fetus adapt to this unusual endocrine milieu (Simpson and Mac Donald, 1981).