

In the human, there is no evidence that progestins increase the risk of intrauterine death. There is considerable evidence for masculinization. Wilkins (1960-61) collected cases with masculinization, as follows:

Ethisterone	34
Norethindrone	35
Norethinodrel	1
Testosterone	15
Progesterone	2
Stilbestrol	4
No hormone therapy.....	10
Total	101

Jacobson (1962) treated 885 consecutive pregnant women with norethindrone and observed maternal masculinization effects in 5.5 percent and fetal virilization in 23.7 percent.

In summary:
Progestins exhibit potentiality for masculinization of the female fetus. Anatomic abnormali-

ties are easily corrected surgically. Subsequent effect on reproduction in the human is unknown. If any synthetic progestin is to be used in treatment of threatened or habitual abortion, consideration must be given to its androgenicity for the fetus. The 19 noncompounds are contraindicated for such use.

Table IV.—Incidence of abnormal results of liver-function tests

Test (normal values)	Number of subjects	Number with abnormal results
SGOT (35 units).....	243	14 (5.8%)
SGPT (35 units).....	243	18 (7.4%)
Bilirubin (1 mg./100 ml.).....	202	0
Thymol turbidity test (4 units)...	202	22 (10.9%)
Alkaline phosphatase (8 units)---	199	4 (2%)
B.S.P. retention test (<5% at 45 mins.).....	12	5 (41.6%)

From Larsen-Cohn.

Table V.—Reports of altered liver function

Author	Medication	Time used	Cases	Elevated B.S.P.	Elevated	
					SGOT	SGPT
Eisalo, et al.....	Lynestrenol.....	40 to 420 days.....	109	19% to 48%---	4% to 18%	
	Volidan	20 days.....				
	Lyndiol	20 days.....				
Larsson-Cohn.....	Norethindrone-mestranol..	6 to 8 months.....	243	(12) 42%-----	5%	7%
Borglin.....	Lynestrenol, Lyndiol.....	Months.....	36	-----	-----	16%
Knutsson.....	Lyndiol	1 to 2 months.....	10	-----	20%	50%
Tyler.....	7 compounds.....	To 8 years.....	125	32%-----	Some abnormal.	

Table VI.—Reports of normal liver function

Author	Medication	Time used	Cases	Tests	Abnormalities
Swyer & Littel.....	Orthonovin, Enovid + (9 preparations).	3 to 6 years.....	12	Ceph. Chol., T. T., PGOT, bilirubin.	0
Linthorst	Lynestrenol, Lyndiol..	14 to 43 months.....	52	Alk. phos., T. T., SGOT, SGPT.	0
Swaab.....	Lyndiol, Conovid.....	6 months.....	60	SGOT (342 tests).....	0
Rice-Wray.....	Lyndiol	3 to 12 months.....	56	SGPT (1 test each)---	0