Birth Control Pills: Contraceptive or Abortifacient?

Currently the claim that hormonal contraceptives [birth control pills, implants (norplant), injectables (depoprovera)] include an abortifacient mechanism of action is being widely disseminated in the pro-life community. This theory is emerging with the assumed status of "scientific fact," and is causing significant confusion among both lay and

significant weakening of both our credibility with the general public and our effectiveness against the tide-of-elective abortion.

This paper is meant to provide some clarifying information on the issue based on current knowledge and experience regarding the mechanism of action of hormonal contraceptives. It has been compiled in consultation with, and by cooperative effort of, several practicing obstetrician-

or numan life from conception.

implants.)

We begin with the recognition that within the Christian community there

We would consider this a personal matter of conscience and belief, and this paper is not intended to argue for or against this issue.

Most literature dealing with hormonal contraception ascribes a three-fold transport, and 3) production of a "hostile endometrium," which presumably prevents or disrupts implantation of the developing baby if the first two mechanisms fail. The first two mechanisms are true

be abortifacient. (Note: the developing baby at the time of implantation is called a "blastocyst," and will be referred to as such in this paper. " E.do.not.io..." io the dising si educate municipate sale with a blast health in the control which

	he typical clinical picture of chostaneous abortion (beauty bleeding
and the second second section is a second section of the second section section is a second section of the second section section is a second section of the second section se	substantiated in any literature we are acquainted with. The "bostile
	previmplantation; rand thus would have notelled lendinical or deboratory
I	White pill, this type loss would seem extremely unlikely
	It is impossible to say. Ovulation suppression rates yazy from about 95%
Street ( All Street Str	Interature estimates 3 to 5% pregnancies per year for combined OCs less for depoprovers more for norplant, and minipills
	One may get an idea of the frequency of conception on hormonal
* · · · · · · · · · · · · · · · · · · ·	Tourne to private the considering the cotopic (topa) programs, rates. The appropriate the cotopic (topa) programs, rates and cotopic (topa) programs, rates
	constitution of the state of th
	same-about 1% (unaffected by whether the endometrium is "bostile" or common the endometrium is common the endometrium is common to common the endometrium is
	Monthly constituted weather production william at about one language.
<b>່າງເ</b> ໃນເດັນແຫນນເຕັນ	
	loss of blastocysts in some instances? In Medicine, anything is possible.
e and in the second	- Property Commentary in the property of the contraction of the contra

ASVA S NIMBER FOLD OF NISCENCE INCC THAN HARMS TRANSMIT COMPRHENCES

We believe the answer is "No."

is partly abortifacient" theory is not established scientific fact. It is specifically abortifacient theory is not established scientific fact. It is specifically abortificated for established scientific fact. It is specifically abortificated for established scientific fact. It is specifically abortificated from the abortion among our guns on a presumption, causing division/confusion among pro-life forces and taking some or the heat off the abortion industry. Ought we not rather be spending our energies to eliminate the convenience destruction of the innocent unborn?

## In Summary:

- I. We know of no existing scientific studies that validate the "bormoad-contraception is partly abortiracient" theory.
- surfaces a great deal more "hostile" than "hostile endometrium" (e.g., fallopjan tube lining). "Hostile endometrium" is cort a demonstrate du cultural reality.

associated with hormonal contraception would indicate the rarity of actual concention by national units the concention of the concen

children. It is not the purpose of this paper to promote nor to oppose officiting their commonwealth officially, decides remaserable incolainty, we are confident that they are not using an abortifacient.

scientific study should validate that a hormonal contraceptive agent is partly abortifacient in its action, we would oppose that agent just as we oppose elective medical and surgical charging.

We must constantly examine valid data is it becomes available in our control to be used or prescribed by those who hold to the sanctity of human life from the time of conception.

the faculty of teaching hospitals or Universities. This information may be

Matthew J. Bulfin. MD. general OB-GYN. Ft. Lauderdale, Florida

De Carvin, MD, Asst. Prof. Maternal-Petal Medicine, Manuel Cappens, Florida

Denis Cavanagh, MD, Professor, Gynecologic Oncology, Tampa, Florida

Curtis Cook, MD, Maternal-Fetal Medicine, Asst. Clin. Prof. Grand Rapid, Mi.

Steven Cruikshank, MD. Professor OB-GYN, Davton, Ohio
Joseph L. Decook, Ind., general of Grand Control of Cont

Donna Harrison, MD, general OB-GYN, Berrien Springs, Michigan

Robert W. Lobel, MD, Assistant Clinical Professor, Urogyn, Albany, N.Y.

Joe McIlhanev. MD. Obstetrician-Gynecologist, Austin, Texas

Section Patterson House In Decay Clinical Assesses Alexander Clinical Professor, OB-GYN Dayton, Ohio.

Roy Stringfellow, MD, general OB-GYN, Colorado Springs, Colorado Robert L. Weeldreyer, MD, general OB-GYN, Holland, Michigan



Joseph L.DeCook, M.D.

L. Carl Jurgens, M.D.

November 9, 1999

D Deafinfo-line conceasing threat intent interested invaries uses.

We have previously sent you our literature research paper entitled "Hormone Contraceptives:

It man we made on page publication of the padage string of the literature of the padage string of t

our paper. Appendix is endosed for your consideration. Once again, this material has reference to the second paragraph on page 3 or our original paper. We would be glad to attempt to answer any questions you may have. If you need another copy of our original paper, please let us know.

Sincerely,

Joseph L. DeCook, M.D., F.A.C.O.G. Donna Harrison, M.D., F.A.C.O.G. Camilla Hirsch, M.D., F.A.C.O.G. Susan Crockett, M.D., F.A.C.O.G.

JDC/jmu

	Hormone Contraceptives:  Controversies and Clasifications
Appendix 3	Refers to Page 3, Paragraph 2, of our original paper)
	- 4
ications which might tend	The manufacture of the manufacture of the control o
some insigh	t into the phenomenon of breakthough ovulation and the subsequent response with the manual manual the second of the subsequent response one at the sum of the second of the second of the subsequent response give us testimony.
	reviewed his 1980 article "Escane oxplation in women due to the missing of
	oele sued fant LED le jeurudhundin. Kud "ellist svijroenspoon levraristiske interner
	onal correspondance with the authors. We have also reviewed a number of
	ch articles on the subject of escape ovulation and ovarian activity on the
	ral contraceptive pills (see list of appendix references.) We would like to
ការការការការការការការការការការការការការក	artifronghy arsons these below
In brief, t	he 1980 Chowdhury article studied "ovulation" in 35 women who were
	terilized and then asked to take a 30 ug ethinyl estradiol plus norethindrone
1016vasori	erone levels were measured at day 22 of the cycle, and endometrial biopsies
then progest	erone levels were measured at day 22 of the cycle, and endometrial biopsies
	tained. Chowdhury found that 10 out of 35 women had progesterone levels
greater than	4 ng/ml. He concluded that these 10 women had ovulated, based solely on
this level of	progesterone.
But, is a	single serum progesterone level of greater than 4 ng/ml sufficient evidence to
	ion? Many authors have addressed this question. The answer is: "Clearly,
	look at one of these studies more closely: the 1982 article by Hull et.al. (6):

666

"The value of a single serum progesterone measurement in the midluteal phase as a suitarion of a potentially famile quale (laundetion") lavoud from transd ovider workalism queenveryour means

by measuring serum progesterone in the midluteal phase (i.e. day 25+/-2 of cycle) of cycles that concieved. He studied conception cycles because those cycles which conceive

... occurred: they are the only documentably proven analyzing evoles. I et's look at his findings:

observed with a mean progesterous value of 40.7 nmol/ml (12.7ng/ml), 95% confidence

Solution III, U.9 to 23.2ng/ml), which extended significantly above as well as delow the conception range, indicating that there is an optimal range for fertility with both an upper for assay variation, we suggest it should be taken as 30 anol/ml (9.4ng/ml). It provided

findings in treated conception cycles suggest that a bigbes value may be readed offer
If I went with a lowinhard or governot tropics have vecasit as me that multimestaments

stimulated follicles " (6)

Hull defined the lower limit of progesterone produced in a cycle where ovulation was have suggested the same lower limit of 8.0 and 1.0 features to be potentially ovulatory cycle (1,3,10,15). Therefore we corresponded with Dr. Chowdhury in order to obtain more precise information about the actual progesterone levels of his successfully published in the paper, and he has no more detailed information than that which is already published. Therefore we corresponded with Dr. Chowdhury was fully published in the paper, and he has no more detailed information than that which to patients actually were potentially ovulating (i.e. had a progesterone level high chough to support ovulation.) It is possible that if none of those 10 women had progesterone level greater that \$nz/ml, that were of the reverse restriction on the OCP unless you the endometrium was hostile to implantation in an ovulatory cycle on the OCP unless you

The second weakness of the Chowdhury article is the endometrial biopsy histology reporting. Chowdhury states: "The endometrial biopsy showed "hormone effect" as necroscoping with the control of the con

However, Mazur showed that excessive stromal hypertrophy was present in inadvertant, endometrial highsias performed in early destation (X), and postulated that this was a

can occur from sampling of the lower ingrine seament instead of the minimus. (2). Without the description of the actual histology obtained in chowaning is inopsies, has inhican to tell whether or not his specimens actually show "hosfile endometrium". (Of further interest is an actual by mayor (11) who actually used supraphysiologic doses of included and progesterons to support the implantation and early pregnancy of women who were without any ovarian function of their own, but who had been recipients of IVF with donor embryos.)

Chowdhury further states: "In 5 out of 35 women in the first cycle treatment group and in 7 out of the 19 in the fourth cycle treatment group, the endangerripm was so scanty that a minimal surface state that a reasons as well why a tissue sample cannot be obtained, and it does not always mean "second and the same of the same of

the part of the corine paneling and resistant inexperient. The arm few one of this thic terminates sampling. In fact we are forced to conclude that in 14-35% of his data, the endometrial biopsy material is insufficient for meaningful interpretation.

Thus, the question of whether OCPs produce a "hostile endometrium" with the check through our lations and in such instances are functionally chemical shortifacients...... remains an unanswered question for the following reasons:

- 1) Chowdhury's study does not clearly identify a subgroup of patients on the OCP who are clearly ovulating on the OCP. A 4ng/ml progesterone cutoff is inadequate to indicate ovulation, and his raw data is not available for further review at this time.
- 2) Even if available, a progesterone level >9 ng/ml is only "permissive" of ovulation: i.e. a level < 9 ng/ml precludes ovulation, but a level >9 ng/ml cannot distinguish reliably between ovulatory and nonovulatory cycles. This is because of significant contributions of progesterone production by lute inized unruptured follicles, which are follicles in the over which have not released an esq. vet still produce propesterone (6 and others, see
- 3) Chowdhury's endometrial biopsy data are uninterpretable because of the lack of obtained (le 14-35% of his endometrial biopsies had no ussue.).

.................

(e.g. List surge testing, diffasound demonstration of ovuratory forneres of rulear phase endometrial thickening) limiting the study's intepretation and utility.

However, the concept behind Dr. Chowdhury's article is well worth repeating in the conference of available of drawound accounts for the end of the conference of the conferenc

## References, Appendix 3

- 1. Andoh, K. et al. "Endometrial dating in the conception cycle" Fertil. Steril. 58 (6) Dec 1992 pp 1127-1130.
- 2. Chowdhury, V. et. al.; "Escape ovulation in women due to the missing of low dose monhinotion and sent asserting of the Contracepting Sent 1980 vol. 22 no. 3.
- T DAVIS VIK elass Frenzistant de me enitamentant de otro de constill. Assida.
- 4. Glissant, A. et. al. "Ultrasound study of the endometrium during in vitro fertilization

integrated progesterone output in clomiphene citrate-induced cycles". AJOG 163(6)Part1.

e of a single serum progesterone measuremental the midluteal phase as a criterion of a potentially fertile cycle ("ovulation") derived from treated and untreated conception cycles". Fertil Steril 37(3) Mar 1982 pp 355-360.

during the hormone-free interval". AJOG 179(1)Jul 1998 pps18-s24.

- 8. Mazur M.T. et al. "Endometrial biopsy in the cycle of conception: histologic and lectin histochemical evaluation". Fertil Steril 51(5) May 1989 pp/04-709.
- 9 Michalas, S. et.al. "A flexible protocol for the induction of recipient endometrial cycles in an occyt donation programme". Hum.Repro.11(5)pp1063-1066, 1996.
- 10. Navot, D. et.al. Hormonal maniphation of endomedial manuacion : Velebrot of and pp801-807.1989.
- 11. Navot, D. et.al. "Artificially induced endometria cycles and establishment of pregnancies in the absence of ovaries". NEJM314(13) 1986 pp806-811.
- 12. Psychoyos, A. "Uterine receptivity to nidation". Annals of NY Academy of Science 476 pp36-42 1986.
- 13. Rosenfeld, D.L. "A comparison of endometrial histology with simultaneous plasma progesterone determinations in infertile women". Fertil.Steril.27(11)Nov.1976.pp1256-1266.
- 14. Rossmanith, W.G. et.al. "A comparative randomized trial on the impact of two low-dose oral contraceptives on ovarian activity, cervical permeability and endometrial receptivity". Contrac.1997;56:23-30.

Went to methods of