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BioE 100 Mid Term Exam 2 March 22, 2012

Name 3		Student ID Student ID
TRUE OR FALSE	: ETHICAL THEORY (4	10 POINTS)
1 The prima	ry ethical issue in regards li	iving human donors is avoiding coercion for organs
2. Health car	e is a debate about rationing	g of insurance against health catastrophes.
1		oncern in regards who gets access to information technology
-		asive and violate individual rights to privacy
		ot individuals- give informed consent to be genetically teste
_		g include discrimination and violations of privacy
-		
_		ried for animal reproductive cloning.
8. <u>†</u> 23 animal	species including humans	have been produced from reproductive cloning.
MULTIPLE CHO	ICE: ETHICS IN PRACT	TICE (30 POINTS)
on the basis of med	ory applies to the stateme lical need and not on the b	ent "Donated organs should be made available to patien basis of social status or other considerations."
justice		(c) double effect
(b) rights		(d) preference utilitarianism
TATE VENUE	situations can include	
(a) forensics		(c) carrier status
(b) prenatal		all of the above
11. The dominant	ethical theory for those op	posed to presumed consent for organ donation
(a) hedonistic utilitarianism		(c) primae facie duty
rights		(d) beneficence
12. The ethical con	cern(s) with pre-implanta	ation genetic diagnosis (PGD) are
(a) social selection		All of the above
(b) tissue harvesting		(d) None of the above
13. Utilitarian argı	ıment may override rights	s in regards information technologies if
(a) beneficence is maximized		all of the above
(b) malfeasance is minimized		(d) none of the above
14. Human reprod	uctive cloning is ethically	unacceptable at present because of
poor risk to benefit ratio		(c) privacy
(b) discrimination		(d) all of the above



15. Scarce Medical Resources. Presumed consent for organ donation presumes that individuals will donate their organs as a default outcome after their death. Those who choose not to donate must make a legal effort to "opt out". The current approach in the United States is that individuals will not donate their organs as a default outcome after death, but must "opt in" by checking a box on their driver's license application to say they are a willing organ donor. In 2010, New York assemblyman Richard Brodsky introduced a bill to make New York an "opt out" state in which people would have to indicate in official documents — their driver's licenses, most commonly — that they specifically don't want to donate organs. If the box is not checked, it is presumed the person wants to donate. You now have acquired the facts, and you are given two alternatives: (1) support the New York State legislature to adopt into law the "opt out" bill posed by Brodsky as a way to increase the number of organs available and (2) the legislature should vote down the new bill in favor of individual and family rights and because it may deter public support for donation. Define stakeholders, analyze alternatives, and state action based on better of the 2 alternatives.

Stakeholders: Every citizen, those in need of organs, families of deceased, the deceased. (in New York).

Assess the Alternatives

(1) Support Opt Out The primary case for the "opt out" policy is based on whilitarian 15/20 ethics, Organs are a scarce medical resource and their stemand is at a premium. The opt-out policy will presumable vastly increase the number of organ donors in the state. These organs can then be given to those in need providing the maximum benefor for society. This tectic also allows doctors to bypess the emotional transmere question of asking a decessal individual's family If they are willy to double kis/her organs a Overll the opt-ont policy inches sease from a utilitarian steadpoint for the maximan good it provides,

The major argument against this policy is that one's organ, are their own rolm property and the opt out policy or an intringent of their rights. In this framework, rights ethics trumps all, it should not be a requirement for an individual to have to so through the process of option out. Furthernore, presumed count carries the risks of Salsepositives (individual, who did not went to doubte their organs.), and could possibly dissurche people from donating organs since they might believe that it is not necessary. In summation, this arguest is based on the rights of individuals to make decision for themselves.

Summarize course of action: In evaluate each course, the opt-ont policy should be adopted. This policy has the potential to save lives while closely minimal horm to the decayal and this families. The good that this policy provides outweight the harm of infrings on individual /family rights,

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6. Genetic Testing. The FDA met on March 8-9, 2011 about direct-to-consumer (DTC) genetic testing where a consumer can order genetic tests and receive results without the involvement of a clinician. The test typically involves collecting a DNA sample at home, often by swabbing the inside of the cheek, and mailing the sample back to the laboratory. Consumers are notified of their results by mail or over the telephone, or the results are posted online. Those who oppose DTC worry that incorrect or misinterpreted genetic tests could lead to consumers to make misinformed decisions about their health, question whether positive tests for incurable diseases is of value, and how genetic information is protected. Those who support DTC argue that personal genetic information empowers patients to explore their "genetic selves", be proactive about their health, and eliminates a barrier and an expense by keeping physicians out of the loop. You now have acquired the facts, and you are given two alternatives: (1) support FDA removal of DTC genetic testing from the marketplace, and instead require that a clinician participate in the ordering, receipt and interpretation of all genetic tests and (2) support that the FDA continues with DTC so that consumers can be allowed control over their own genetic information. Define stakeholders, analyze alternatives, and state action based on better of the 2 alternatives.

Stakeholders: Consumer of the test, FDA, companies who ran the test, clinicians, insurance companies. The animared.

Assess the Alternatives

(1) Support removal of DTC from marketplace DTC has the application for several negative drewbacks and does not follow non-malferne or a titerien ethics. The potential is that individuals do not have the expertise to make decision, regardly their medial care. In addition, the validate of the sample itself is in gastron since it is done at home without regulation. It is possible that once individuals receive their information then will not know how to interpret of. The contel lead to folia insuring closurs, and an overall clossing of the health care system. In addition while the test is meant to protect privacy, it is unknown what company closurth the synctric information and now secure it is. The negative drawback, of DTC are too much of the EDA should protect heppide and reague it.

(2) DO NOT removal of DTC from marketplace. The belief that DTC should reague and reague it. Market is hedged in Tights ethics. The presumption is that given their information individuals will have the capacity to vanile competent decisions regardly their own health. This type of testing is meant to protect consumer privacy. The test also benefits the uninsured by keeping the health care system out of the process. DTL allows the conserver the quitonomy to handle information and decisions regardly their health on their own terms. Dtc allows, protection for the rights and privacy in the consener and should reacin an available resource in

Summarize course of action: The best course of action would be to eliminate DTE. Society does not benefit from allowing non-medical professionals to make decision on health care. While privacy is eliminated to a desce, results at general tests should be contend with by a physician in order to make the most well-informed decision.

17. Reproductive Cloning. As recently as 1960, large numbers of northern white rhinos still remained in the wild, but the situation over the last 50 years has deteriorated rapidly due to poaching and lack of political will, and they are now the most critically endangered rhino subspecies and the most threatened mammal in the world. On December 20, 2009, 4 of the last 8 known northern white rhinos were relocated from captivity back to the wild in a conservation region of Africa (to maximize likelihood of breeding) in a last bid effort to save them from extinction, thereby conserving genetic variation and valuable locally-adapted genes. An alternate possibility is to use SCNT using northern rhino tissue collected and stored several years ago at the National Zoological Gardens of South Africa, and using the southern white rhino as the surrogate mother, paving the way for reproductive cloning to become part of a future conservation strategy. You now have acquired the facts, and you are given two alternatives: (1) support reproductive cloning technologies be developed as a conservation strategy in order to resurrect near extinct species such as the northern white rhinoceros and (2) do not support and instead devote scarce resources to traditional and proven conservation efforts of wild breeding used for the remaining northern white rhinoceros. Define stakeholders, analyze alternatives, and state action based on better of the 2 alternatives.

Stakeholders: Northern white rhinos conservationists, Southern white rhino surrogate,
scientists who perform the cloning.

Assess the Alternatives

- (1) Support reproductive cloning Reproductive cloning through SCNT has shown to be successful in the past and can be considered a there pertire technology. Any type of experimental on animals should follow the 3 R's, and this alternative befills almost all of them. The rhinos cannot be replaced, nor is this reducedant. Being on the brink of extinction under this highly relevant, the only R elect uncertain is refinement. The case of the white rhino could possibly allow reproduct cloning to become a conservation strategy and save other species as they never extinction, thus provider the gentest good had satisfying extilitacionism.
- (2) Support conservation The effect of attempty to use cloning as a means to save a species is an known and the risks outness the benefits. Cloning on mammals is a difficult process and we are answer what the health status of what the cloned thing will be affected. It the mother harmada by factors such as premature asymptothe worth close, the process is not worthwhile. Furtherion, cloning does not promote genetic variation, along complete things with similar senetic implecup will have difficulty productly healthey oftspring and extinction would still be immined. Interne closed the cost of the cost o

Summarize course of action: Because of the clineness of the site tion, reproductive cloning should be under taken to some the chimo species. Cloning seems to be the best but to ensure the survival of the species, and the beautiful advancing cloning technology is benefit to all.

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