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find. As my legal friends would put it, “details that could reasonably have been expected to appear in evidential text were absent.”

Watson: So, heart disease remains an enigma—though the striking rise and fall over the past 50 years is strongly suggestive of a biological cause. No doubt those who smoke or take insufficient exercise or whose cholesterol concentrations are greatly raised may be at “increased risk,” but none can be deterministic (in the way the putative biological cause clearly must be), which is why the pattern of the disease has changed so dramatically quite independently of them. I can hardly wait to smell once again the aroma of a cooked breakfast with an easy conscience.

Holmes: Watson, your wish will be granted, and I will instruct Mrs Hudson accordingly. Meanwhile, given current practice is to obtain informed consent to parents dist to seeking for research on their dead children's tissues has raised some old philosophical questions. The problems at Alder Hey Hospital around how, when, and why parents' consent should be approached was warranted in the interest of avoiding paternalistic actions of yesteryear are being judged by today's ethical standards. Surely parental distress and generating benefit to society through research and training. The way I see it, this is an anomaly in witness testimony.
ethical principles change and are relative to time and place?

- “An awareness of moral relativism, utilitarianism, Kantian ethics, and biomedical ethics will help.”

Obi: Mmmm. You can look at this difficult problem from several perspectives; the parents' and pathologists' are just two. However, a look through the lenses of moral philosophy and medical ethics may help to untangle this conundrum. These disciplines are concerned with, in the words of Socrates, “how we ought to live, and why”—in other words, how we should treat people and how we decide what is right or wrong. For your scenario, I think an awareness of moral relativism, utilitarianism, Kantian ethics, and biomedical ethics will help.

Dr Luke: OK, I’ll tell Princess Leia I’ll be late for dinner—again!

Obi: So, let’s start with moral relativism which relates to your argument about changes over time and place. Moral relativism is about the nature of ethics and says that ethical standards are contingent on history, context, and culture. The famous Roman physician Galen, for example, did most of his anatomy research on pigs and dogs as it was regarded as immoral to dissect humans at that time. But attitudes changed, and by the 19th century the demand for human cadavers was such that grave robbing became prevalent to supply medical schools in the United Kingdom with necessary teaching resources.

Dr Luke: So there you go—you’ve proved my point that it all changes over time. Hence, you can’t use the consent practices of today to judge actions 20 years ago. Have we finished?

Obi: Well not quite. If we accept this relativism idea wholly then it doesn’t easily allow criticism of people’s actions that you and others may see as immoral. For example, if we use a strong relativism framework, Nazi experiments on humans during the second world war could be interpreted as merely an expression of a set of values and ethics from a different time and place.

Dr Luke: But we all know those experiments were wrong.

Obi: So, there’s the contradiction. Why are the Nazi experiments deemed not relative to time and place and yet the retention of organs without consent are deemed relative?

- “There must be some principles that are more consistent over time.”

Dr Luke: OK, so there must be some principles that are more consistent over time and, well, some that are not.

Obi: Well, philosophers have created many moral theories that are more consistent over time and place. For the purposes of this conundrum we’ll look at utilitarianism, a theory based on consequences, and Kantianism, a theory based on duty or deontology.

Dr Luke: Consequences? Deontology?

Obi: Yes, such as weighing up the expected pleasure and enlightenment you gain from talking to me against the pleasure and enlightenment you gain from time with Princess Leia—that’s utilitarianism. Compare that to an intrinsic duty to, say, be on time for dinner, regardless of the consequences—that’s Kantianism. Let me explain further. Utilitarians, in the tradition of Jeremy Bentham and John Stuart Mill, believe that actions are morally good if, on balance, they bring the most happiness—commonly referred to as the greatest good for the greater number. Physicians may claim, on utilitarian grounds, that benefits from research that has helped to reduce mortality and increase scientific understanding are greater than the negative impacts, such as parents’ anguish at having to consider giving consent at such a difficult time. Some have even questioned why those refusing to take part in such research should gain from those who have.

Dr Luke: But forcing everyone to take part in research would bring substantial pain and distress for some people. Body states after death, for example, are very important to some Hindus and Buddhists owing to their possible impact on reincarnation.

- “Utilitarianism can defend acts that most people take to be unjust.”

Obi: Exactly, and those are some of the criticisms of utilitarianism—firstly, that it’s difficult to measure accurately happiness or pain, and, secondly, that it can defend acts that most people take to be unjust, such as forced participation in research or even genocide.

Dr Luke: But … Kantian ethics?

Obi: Kant’s philosophy is based on duty rather than consequences—such as always telling Princess Leia the truth rather than weighing up the impacts of being honest or lying to her—as a means to determining what to do. Kant argued there was a categorical imperative to “treat people as ends in themselves, never merely as means to an end.” In not being asked for consent,
parents could argue that their children were effectively being used as a means to research and not as ends in themselves.

Dr Luke: But, under Kant, as long as the intentions of my actions are within my duties then it doesn’t matter what the consequences are. So, wasn’t retaining those organs part of the clinicians’ moral duty to society to further science and reduce mortality? Surely their actions were morally justified—it’s just that some of the consequences weren’t so good.

Obi: Yes, and that’s a criticism of Kantian theories. A lack of consideration for the consequences of actions.

Dr Luke: OK, let me get this straight. Strong relativism, in an extreme individualistic form, can almost lead to a sense of anarchy. So we looked for some universality in an extreme individualistic form, can almost lead to a

Dr Luke: So if this maxim of respecting someone’s autonomy is universal then we should have been asking for consent then?

Obi: If you subscribe to the principles of biomedical ethics then yes, as the principle of autonomy was not sufficiently addressed. However, these principles of medical ethics are not without their critics. But look around you, Luke. With the rise in human rights, respect for autonomy is a principle being applied more explicitly. The key is to continue to be aware of the history and context in which debates arise and their relation to the ethical norms of the day. And watch out for exaggerations based on personal or political interests—what the pathologists did cannot be compared with the atrocities that Darth Vader is inflicting on our fellows! Engage in debate with your colleagues, and regularly review codes of conduct and guidelines, especially as you fast approach more abstract issues relating to DNA and genomics. Remember, Luke, when I say “let the Force be with you.” I’m talking about the bond and energy between you and your patients. Use the Force, Dr Luke. Together, patient and clinician, you can help improve the health of our galaxy.

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4 Hutchinson MP. Grave robbing and ethics in the 19th century. JAMA 1997;278:1113.