

Ethical Framework for Medical and Quasi-Medical Procedures



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Layout

- Ethics: ICRP and Medical
- Scenarios: Patients and (Quasi Medical) Non Medical Exposures
- Reflection re Framework and Future
- Conclusions



Ethics: ICRP and Medical Systems

- · Different, Incomplete Overlap
- ICRP purpose built; detached from mainstream ethical scholarship and practice
- Medical: comprehensive; strong scholarship; ignores radiological;
- Medical system has its own problems

- Low recognition of ICRP values in medicine.
- RP, by being separate, has advantages, but is isolated.



Who Cares about this?

- EC, HERCA, IAEA, WHO, ILO, IRPA, NEA, ICRP et al.
- Justification, Overtreatment
- "A significant and systemic practice of Inappropriate Examination in radiology" EC/IAEA/WHO et al.
- Some Professional Bodies, Image Gently, Image Wisely, Choose Wisely,

Hopper: New York Movie, 1939

- Not Cardiologists
 - Not HTA
- Not the AAPM



Ethical Issues

- ?????????????????
- Autonomy and Dignity
- · Incomplete knowledge, DR;
- Uncertainty, confusion with Professionals, Patients, Public
- Dysfunctional Relationship w press/ public
- Poor culture of Transparency and public accountability



- ++++++++++++++++
- · IRPA and ICRP consultations
- Principles stand up in medicine and in Fukushima



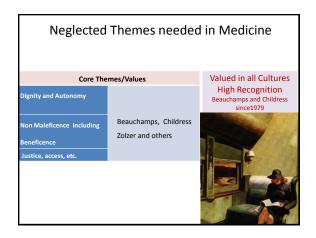
British Medical Journal (14 April 2012)

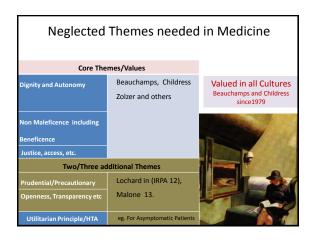
Medicalisation and overtreatment have long been a feature of artist Damien Hirst's work

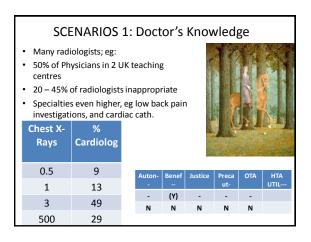
- Obsession with medicines replaced God/Religion
- Instruction/advice, from on high, on how to live
- Low recognition of "word" Justification in medicine

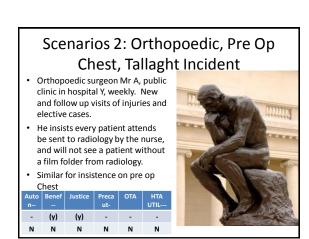


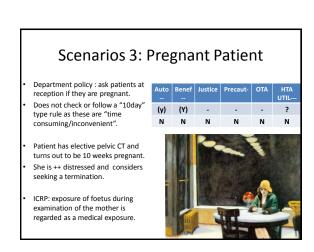
Damien Hirst

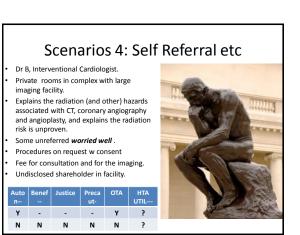












Medical and Non Medical 1

MEDICAL

- Justified Medically (3 levels)
- Benefit Individual irradiated
- Consent is Given
- Confidentiality required and assured
- Governance, special features

NON MEDICAL

- · How and Who Justifies
- Benefit not to individual
- Consent not necessary
- Confidentiality breeched in many ways
- Governance, disseminated + with many other features

Scenarios: Non Medical Exposure 2

- Woman (28) at Airport. Sniffer finds small amount of drugs in hand luggage. Suspicion she may be mule. Refuses permission and potentially pregnant. Customs officer insists and hospital does the scan. She is pregnant and no
- New EC BSS reclassifies; note some expediency
- Issues around Justification, benefit to individual, confidentiality, consent, and governance arrangements
- Hospital based and the rest.

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| N | N | N | N | N | ? | | | | | |
| University of Berne CT Study, Flach et al. | | | | | | | | | | |

Non Medical Human **Exposures 3**

- · Baby P presents at the Emergency Dept with a broken arm and bruising. The x-ray suggests several older fractures also.
- Whole body surveys of P's siblings aged 3 and 6 are undertaken (+/_ 20 views)
- Are these medically indicated in the ordinary understanding of this term
- Screening programme



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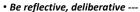
• The credible basis for evaluating events/scenarios

Observations

Approach would have a higher recognition in medicine and might facilitate tech transfer of RP message



22. Conclusions





· 3 + 3 Themes could work

N

- They need to be flagged explicitly, even if they can be derived
- Need more work to align with ICRP system but this does not have to be visible to medical community
- May also need regional alignment
- To some extent already happens in medicine: HTA/overutilization replaces justification in US.

