**Supplementary table** Socratic approach versus alternative approaches and methods for the same health technologies

|  |  |  |  |
| --- | --- | --- | --- |
| **Technology** | **Topic** | **Socratic approach** | **Alternatives** |
| Human papillomavirus vaccination | Prevention | **Title:** Ethical challenges with implementing prophylactic vaccines against human papilloma virus (HPV) [1]  **Institution:** NOKC (2008) | Human papillomavirus (HPV) vaccination for the prevention of HPV 16/18 induced cervical cancer and its precursors [2].  **Institution:** DAHTA@DIMDI (2009)  **Approach:** Narrative analysis without methodological approach  General childhood vaccination against HPV 16 and 18 aimed at preventing cervical cancer [3].  **Institution:** SBU (2008)  **Approach:** Hermeren’s acteur model  HPV vaccination for the prevention of cervical cancer in Belgium [4].  **Institution:** KCE (2007)  **Approach:** Principles Approach  Reduction in the risk of cervical cancer by vaccination against human papillomavirus (HPV) - a health technology assessment [5].  **Institution:** DACEHTA (2007)  **Approach:** Principles Approach  ***Related technologies (HPV screening)***  Cervical cancer screening and Human Papillomavirus (HPV) testing [6].  **Institution:** KCE (2006)  **Approach:** unknown, purposive literature analysis was done  Human papillomavirus testing in primary cervical cancer screening - early assessment briefs [7].  **Institution:** SBU (2000)  **Approach:** unknown / not stated |
| Neonatal screening for inborn errors of metabolism | Screening | **Title:** Effectiveness of neonatal screening for inborn errors of metabolism [8].  **Institution:** NOKC (2007) | Évaluation a priori de l’extension du dépistage neonatal à une ou plusieurs erreurs innées du métabolisme par la technique de spectrométrie de masse en tandem en population générale en France. 1er volet : dépistage du déficit en MCAD [9]  **Institution:** HAS (2011)  **Approach:** Principles Approach  Clinical effectiveness of neonatal screening for inborn errors of metabolism using tandem mass spectrometry [10].  **Institution:** AVALIA-T (2007)  **Approach:** Principles Approach (WHO Guideline)  Screening for rare metabolic disease in newborn infants [11].  **Institution:** FinOHTA (2004)  **Approach:** Eclectic Approach  Tandem mass spectrometry and neonatal blood screening in Quebec [12].  **Institution:** AETMIS (2007)  **Approach:** Integrated Approach  Neonatal screening of inborn errors of metabolism using tandem mass spectrometer: an evidence-based analysis [13].  **Institution:** MAS (2003)  **Approach:** Principles Approach (WHO Guideline)  Clinical and cost-effectiveness of screening newborns for Medium chain acyl~CoA dehydrogenase deficiency using tandem mass spectrometry [14].  **Institution:** CCOHTA (2006)  **Approach:** unknown / not stated  Expanding Newborn Screening: Process, Policy, and Priorities [15].  **Institution**: The Hastings Center (2008)  **Approach**: unknown / not stated |
| Stem cell transplantation | Treatment | Ethical issues in autologous stem cell transplantation (ASCT) in advanced breast cancer: A systematic literature review [16]. **Institution:** IQWiG (2009)  Therapeutic use of haematopoietic stem cells from cord blood [17].  **Institution:** SMM (2003) | Bone marrow and peripheral blood stem cell transplantation for malignancy [18].  **Institution**: NCCHTA (1998)  **Approach**: unknown / not stated  Allogeneic stem cell transplantation methods [19].  **Institution:** AHFMR (2000)  **Approach:** Principles approach |
| Routine ultrasound in pregnancy | Screening | Routine ultrasound in pregnancy [20].  **Institution:** NOKC (2008)  Early ultrasound in routine pregnancy care [21].  **Institution:** NOKC (2012)  Ethical issues in routine prenatal ultrasound [22].  **Institution:** IQWiG (2010) (unpublished) | Routine ultrasound scanning before 24 weeks of pregnancy [23].  **Institution:** NHS Quality Improvement Scotland (2004)  **Approach:** literature review and focus groups on patient issues  Prenatal screening: Down syndrome, neural tube defects, routine ultrasound. [24].  **Institution:** GR (2001)  **Approach:** Principles approach  Routine ultrasound in pregnancy [25].  **Institution:** SBU (1998)  **Approach:** Principles approach  Methods of Early Prenatal Diagnosis [26].  **Institution:** SBU (2006)  **Approach:** Principles approach  Psychological aspects, women's views, and expectations regarding ultrasound during pregnancy [27].  **Institution**: DACEHTA (2006)  **Approach**: literature review and survey on patent issues  ***Related technologies (Biochemical screening):***  Biochemical Screening on fetal anomalies and neural tube defects [28].  **Institution:** DAHTA@DIMDI (2001)  **Approach:** Principles approach |
| Bariatric surgery | Treatment | Stuck in the Middle: The Many Moral Challenges With Bariatric Surgery [29].  **Institution:** NOKC (2010)  The Encompassing Ethics of Bariatric Surgery [30].  **Instituion:** NOKC (2010) | Bariatric treatments for adult obesity [31]  **Institution:** IHE (2012)  **Approach:** Social Shaping?  Different methods for ethical analysis in health technology assessment [32].  **Institution:** international joint project (Finland, Australia, Norway, The Netherlands) (2011)  **Approach:** Casuistry, Principles approach, EUnetHTA Core Model, Socratic approach  Surgical treatment of morbid obesity [33].  **Institution:** FinOHTA (2008)  **Approach:** EUnetHTA Core Model  Ethical Issues of Obesity Surgery [34].  **Institution:** FinOHTA (2011)  **Approach:** EUnetHTA Core Model  Obesity - problems and interventions [35].  **Institution**: SBU (2002)  **Approach**: Principles approach |
| Intracyto-plasmic sperm injection (ICSI) | Treatment | Male infertility: Intracytoplasmic sperm injection (ICSI) using surgically retrieved sperm from the testis or the epididymis [36].  **Institution:** NOKC (2007) | Social and ethical aspects of in vitro fertilization [37].  **Institution:** University of Texas–Houston School of Public Health  **Approach:** unknown / not stated |
| Institutions acronyms:  AETMIS (today INESSS)  AHFMR (today IHE)  AVALIA-T Galician Agency for Health Technology Assessment, Santiago de Compostela, Spain  CADTH Canadian Agency for Drugs and Technologies in Health , Ottawa, Canada  CCOHTA (today CADTH)  DACEHTA Danish Centre for Health Technology Assessment, Copenhagen, Danmark  DAHTA@DIMDI German Agency for HTA at the German Institute for Medical Documentation and Information, Cologne, Germany  FinOHTA Finnish Office for Health Technology Assessment, Helsinki, Finland  GR Gezondheidsraad, The Hague, The Netherlands  HAS Haute Autorité de Santé; Paris, France  IHE Institute of Health Economics, Edmonton, Canada  INESSS Institut national d'excellence en santé et en services, Montreal, Canada  IQWiG Institute for Quality and Efficiency in Health Care, Cologne, Germany  KCE Belgian Health Care Knowledge Centre, Brussels, Belgium  MAS Medical Advisory Secretariat, Ontario Ministry of Health and Long-Term Care, Toronto, Canada  NOKC Norwegian Knowledge Centre for the Health Services, Oslo, Norway  SBU Swedish Council on Technology Assessment in Health Care, Stockholm, Sweden  SMM (today NOKC) | | | |

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