Imaging and Imagining the Fetus: The Development of Obstetric Ultrasound

By Malcolm Nicolson, John E. E. Fleming

Johns Hopkins University Press. Hardback. Book Condition: new. BRAND NEW, Imaging and Imagining the Fetus: The Development of Obstetric Ultrasound, Malcolm Nicolson, John E. E. Fleming, To its proponents, the ultrasound scanner is a safe, reliable, and indispensable aid to diagnosis. Its detractors, on the other hand, argue that its development and use are driven by the technological enthusiasms of doctors and engineers (and the commercial interests of manufacturers) and not by concern to improve the clinical care of women. In some U.S. states, an ultrasound scan is now required by legislation before a woman can obtain an abortion, adding a new dimension to an already controversial practice. "Imaging and Imagining the Fetus" engages both the development of a modern medical technology and the concerted critique of that technology. Malcolm Nicolson and John Fleming relate the technical and social history of ultrasound imaging-from early experiments in Glasgow in 1956 through wide deployment in the British hospital system by 1975 to its ubiquitous use in maternity clinics throughout the developed world by the end of the twentieth century. Obstetrician Ian Donald and engineer Tom Brown created ultrasound technology in Glasgow, where their prototypes were based on the industrial flaw detector, an...

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