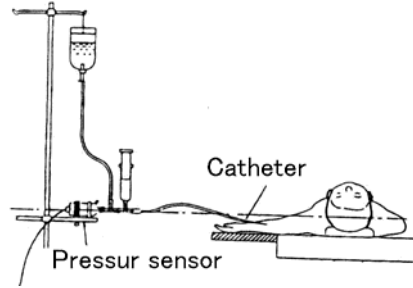
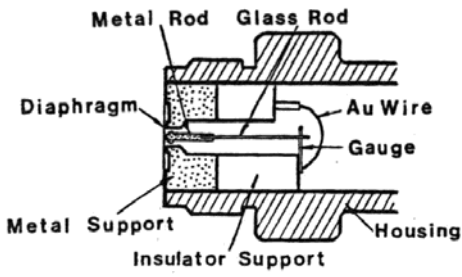
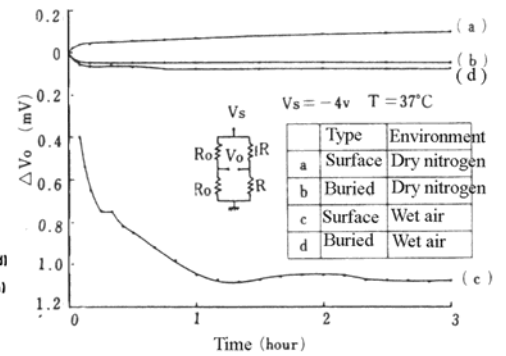
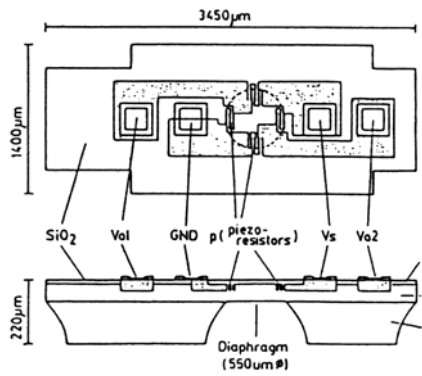
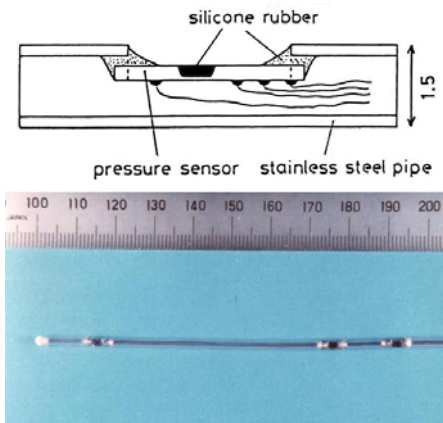
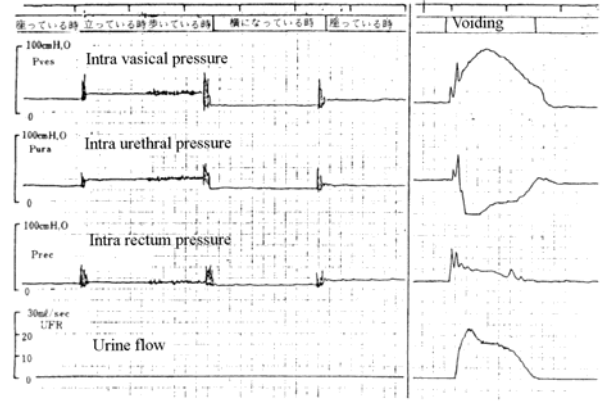
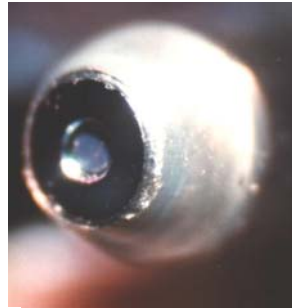
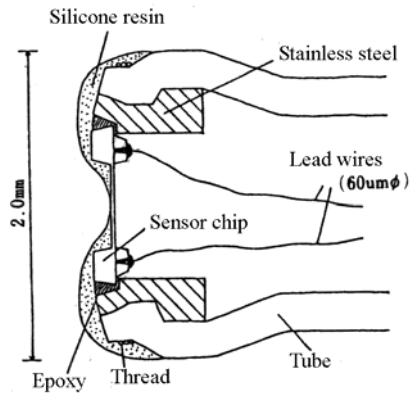


Catheter Blood Pressure Sensor



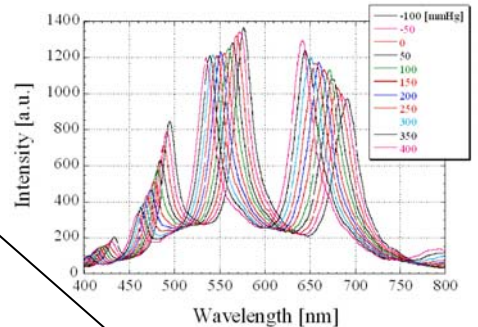
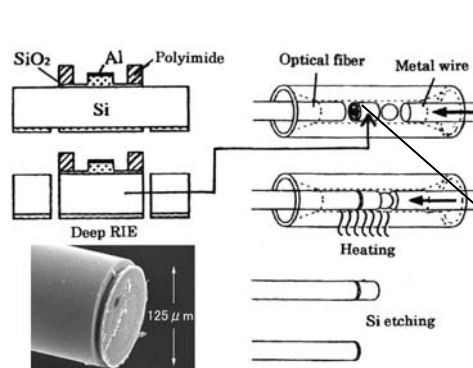
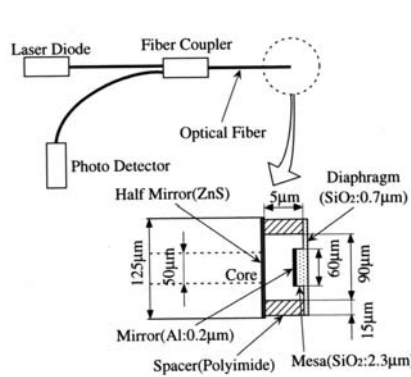
Blood pressure transducer with liquid filled catheter (Nihon Kohden – Tohoku Univ.)

Reference : H.Ozawa, T.Shibuya, S.Takeda, M.Hyogo, T.Sekiguchi and M.Esashi, Property Improvement of Blood Pressure Transducers, 25th Convention of ME&BE, 3-PF-3 (1986)



Piezoresistive multi pressure sensor catheter (Tohoku Univ. – Nihon Kohden)

Reference : M.Esashi, H.Komatsu, T.Matsuo, M.Takahashi, T.Takishima, K.Imabayashi and H.Ozawa, Fabrication of Catheter-tip and Sidewall Miniature Pressure Sensors, IEEE Trans. on Electron Devices, ED-29 (1982) pp.57-63



Small diameter fiber optic blood pressure sensor

Reference : T.Katsumata, Y.Haga, K.Minami and M.Esashi Micromachined, 125 µm Diameter Ultra Miniature Fiber-Optic Pressure Sensor for Catheter, Trans. IEE of Japan, 120-E (2000) pp.58-63

