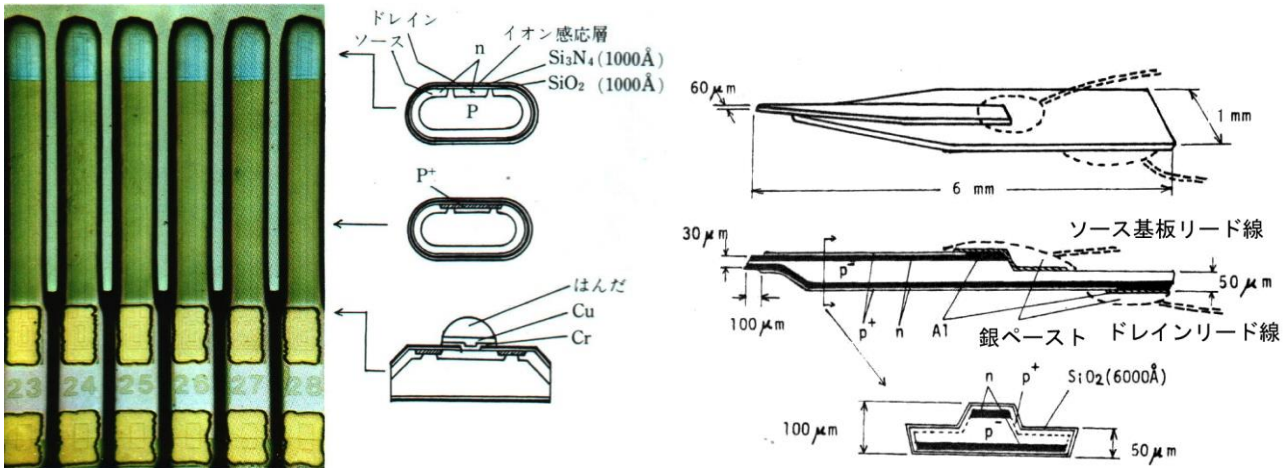
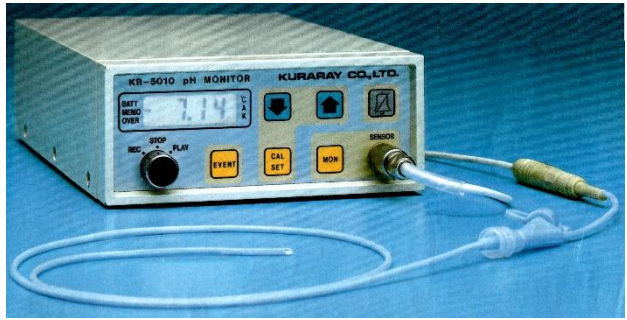
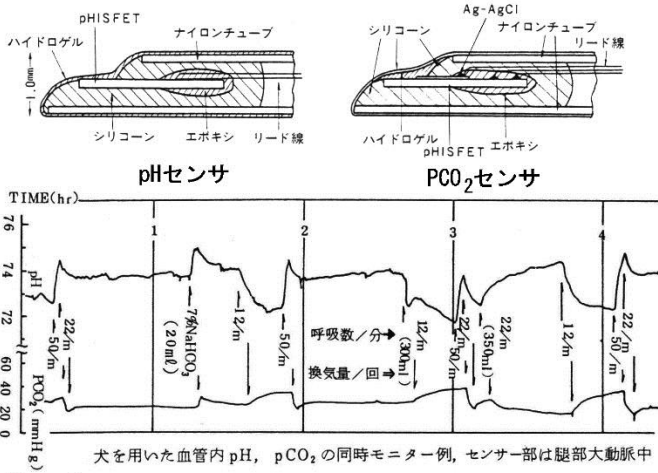


医用マイクロセンサ (松尾、江刺 他)



ISFET (Ion Sensitive Field Effect Transistor) と マイクロ ISFET (右)

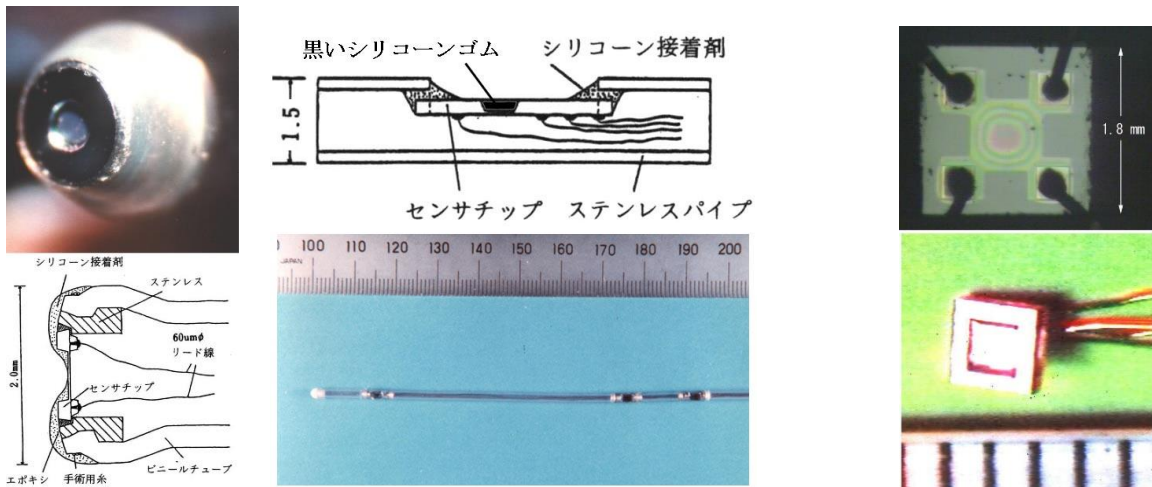
(M. Esashi and T. Matsuo, J. of the Japan Soc. of Applied Physics, 44, Supplement (1975) 339)



2.4mmにISFETと比較電極を一体化

商品化された pH, CO₂ モニタ用カテーテル (1980 年 (株)クラレ、日本光電(株))

(K. Shimada, M. Yano, K. Shibatani, Y. Komoto, M. Esashi and T. Matsuo, Med. & Biol. Eng. & Comput., 18 (1980) 741)



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(M. Esashi H. Komatsu, T. Matsuo, M. Takahashi, T. Takishima, K. Imabayashi and H. Ozawa, IEEE Trans. on Electron Devices, ED-29 (1982) 57) (M. Esashi, Y. Matsumoto and S. Shoji, Sensors and Actuators, A21-A23 (1990) 1048)