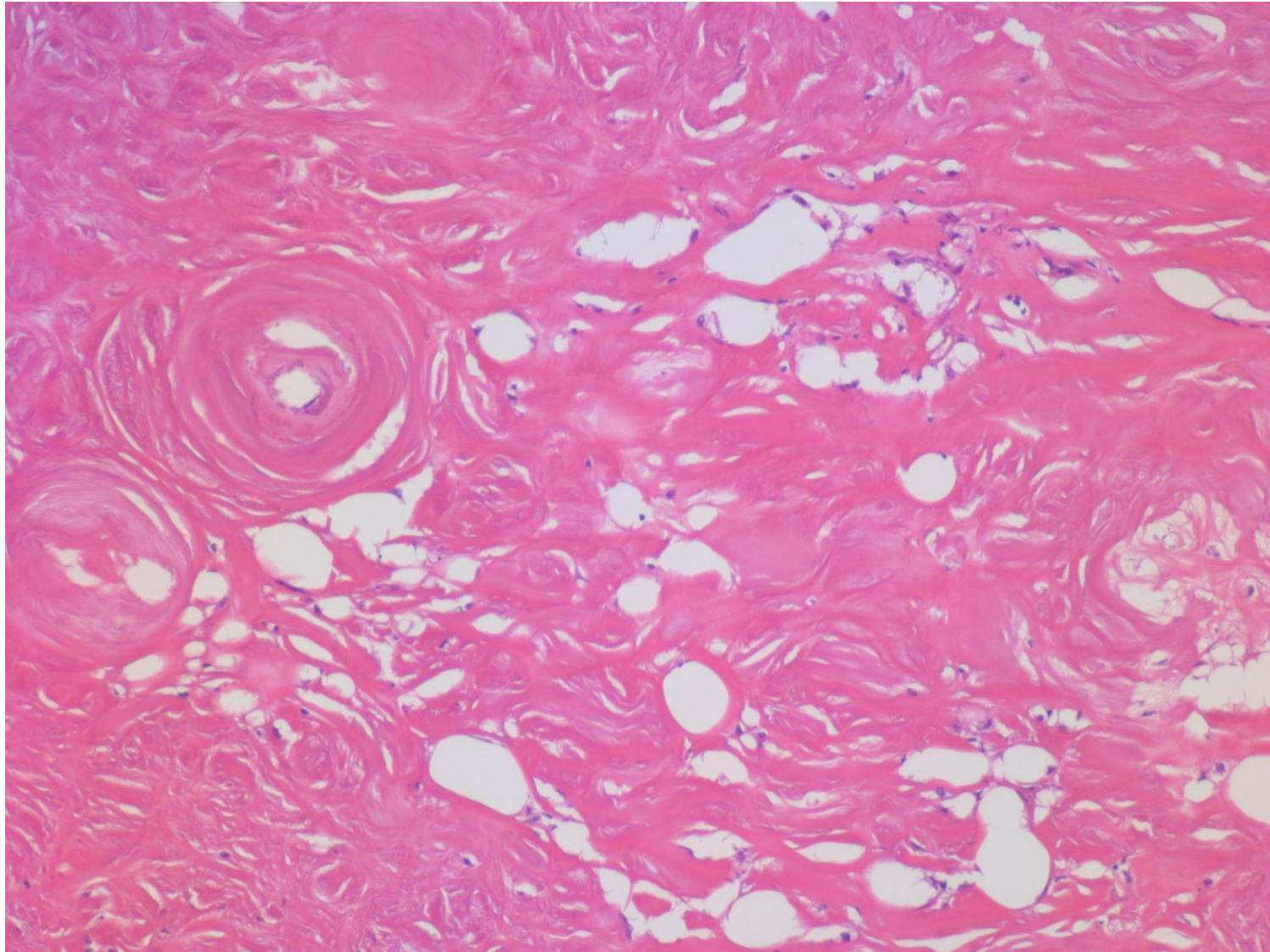


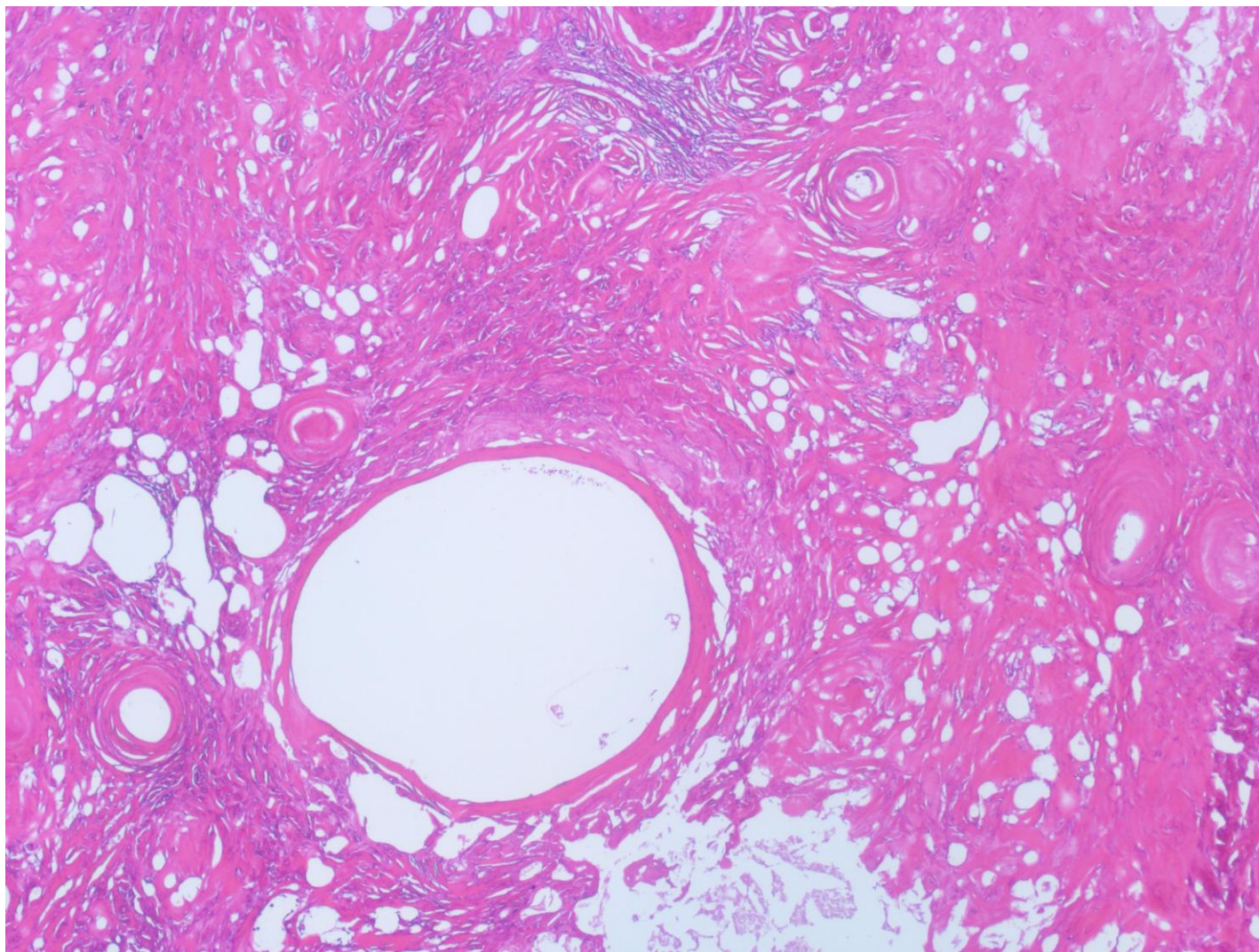
Paraffinoma (siliconoma or sclerosing lipogranuloma)

Paraffinoma or siliconoma, relatively common in Asian countries, is a sclerosing lipogranuloma caused by intramammary injection of oil-based substances (paraffin or silicon) for cosmetic or therapeutic purpose. Foreign body reaction is a response to injected lipid or damaged fatty tissue. Lipid vacuoles show marked size variation. There are fat necrosis, histiocytic reactions with multinucleated giant cells and extensive hyalinizing fibrosis. Dystrophic calcification may be noted. T-lymphocytic infiltration is associated. Penile lesions is also encountered.

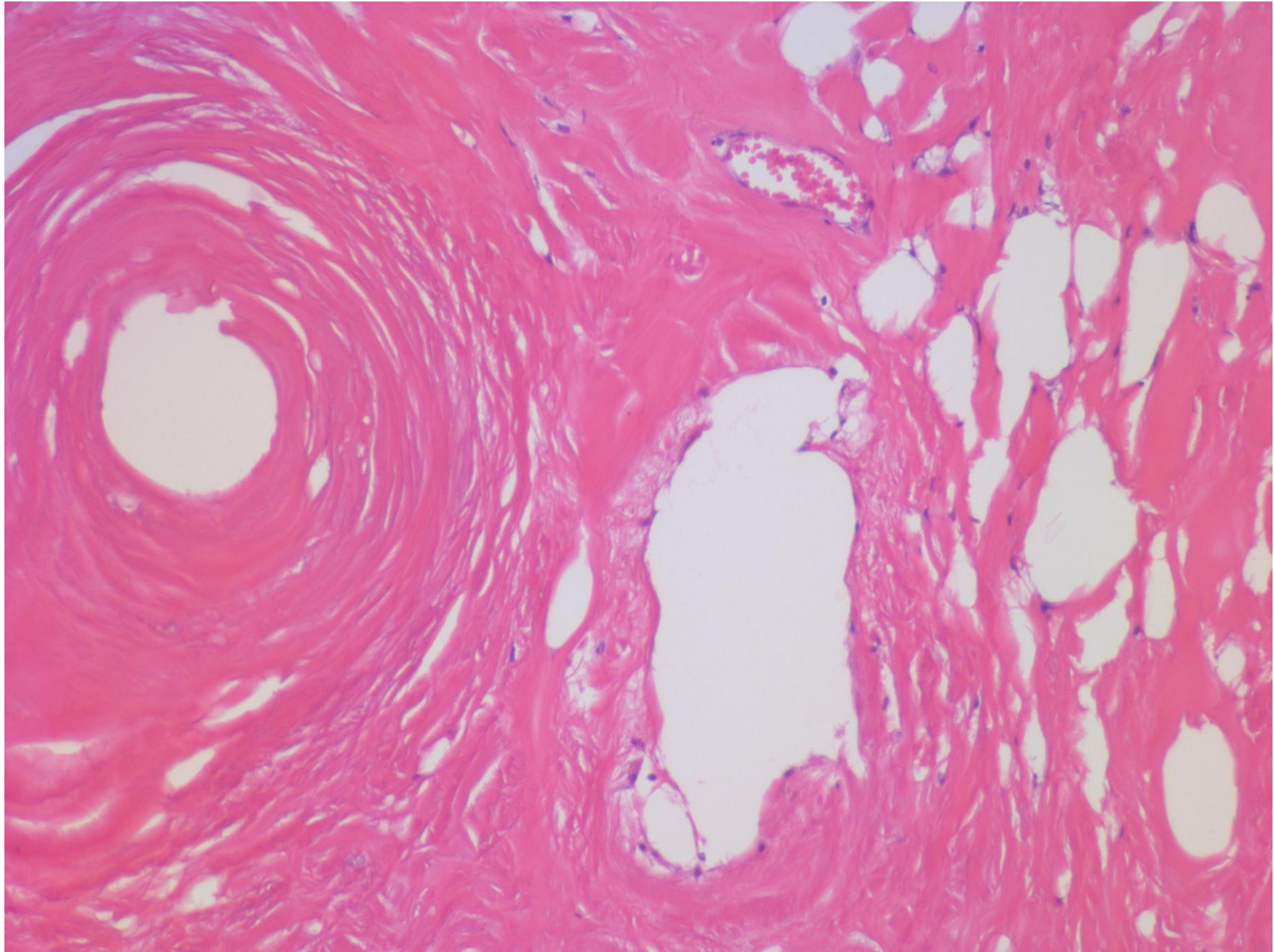
Ref.: Yen Kok KY, et al. Breast paraffinoma: an obsolete but still important condition. Experience with 60 cases and the literature review. Asian J Surg 2023; 46(1): 321-327. doi: 10.1016/j.asjsur.2022.04.002

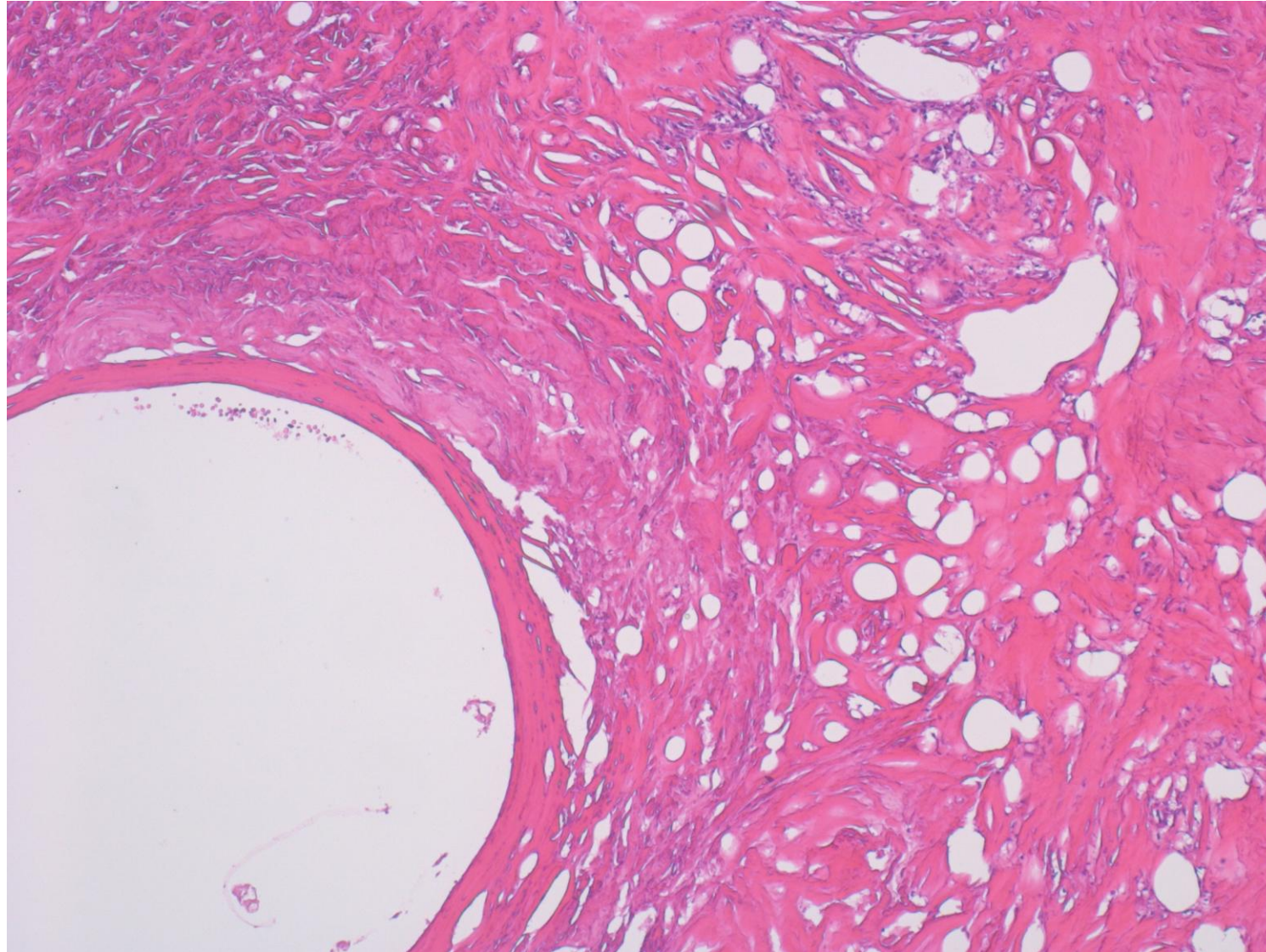


Paraffinoma (sclerosing lipogranuloma) seen in a 75 y-o female patient. Breast augmentation surgery using paraffin oil was performed 40 years ago. The biopsied subcutaneous tissue reveals deposition of lipid droplets dispersed in the hyalinized collagenous stroma (H&E-1).

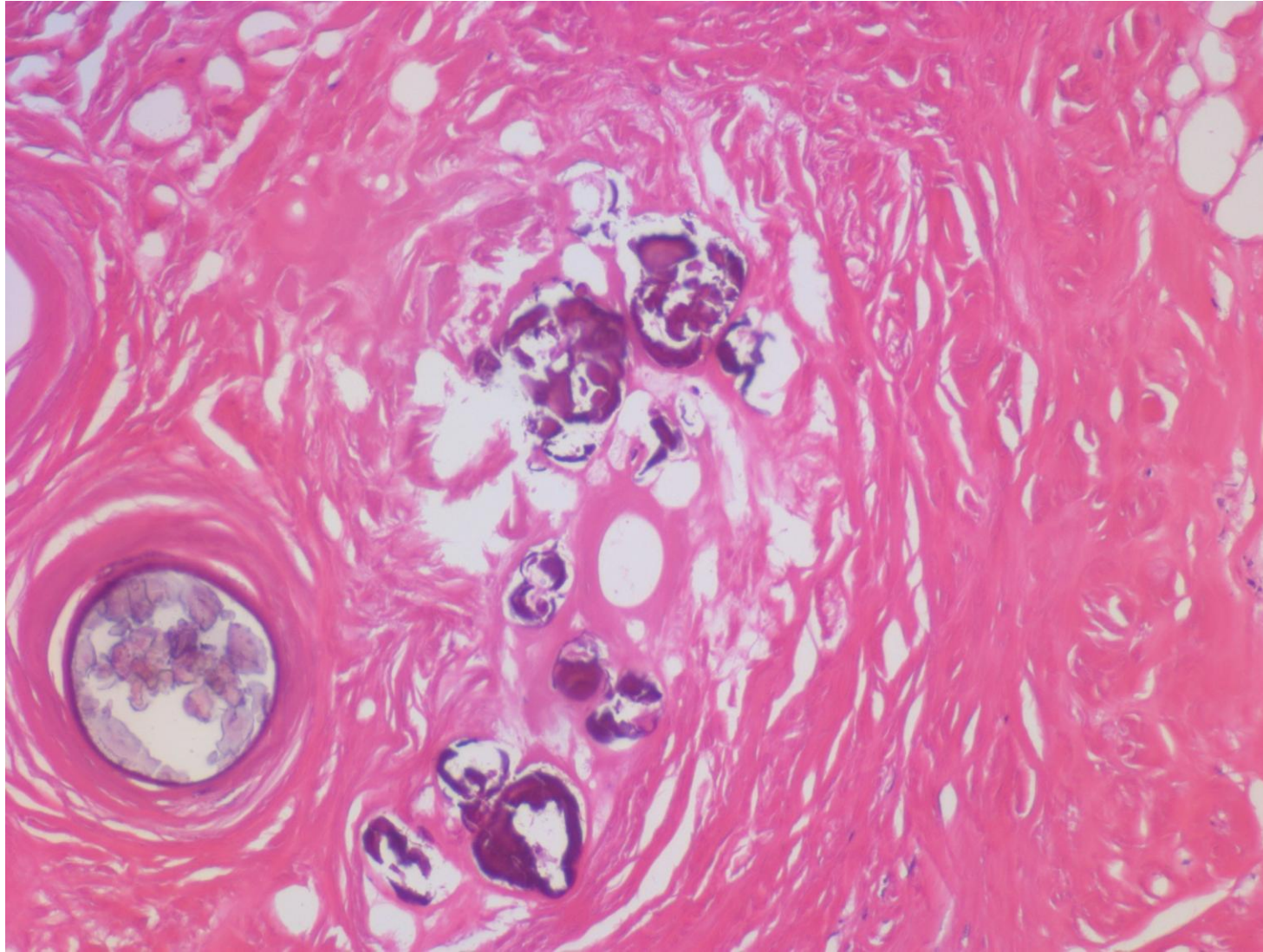


Paraffinoma (sclerosing lipogranuloma) seen in a 75 y-o female patient. Breast augmentation surgery using paraffin oil was performed 40 years ago. The biopsied subcutaneous tissue reveals deposition of lipid droplets of varying sizes dispersed in the hyalinized collagenous stroma (H&E-2).

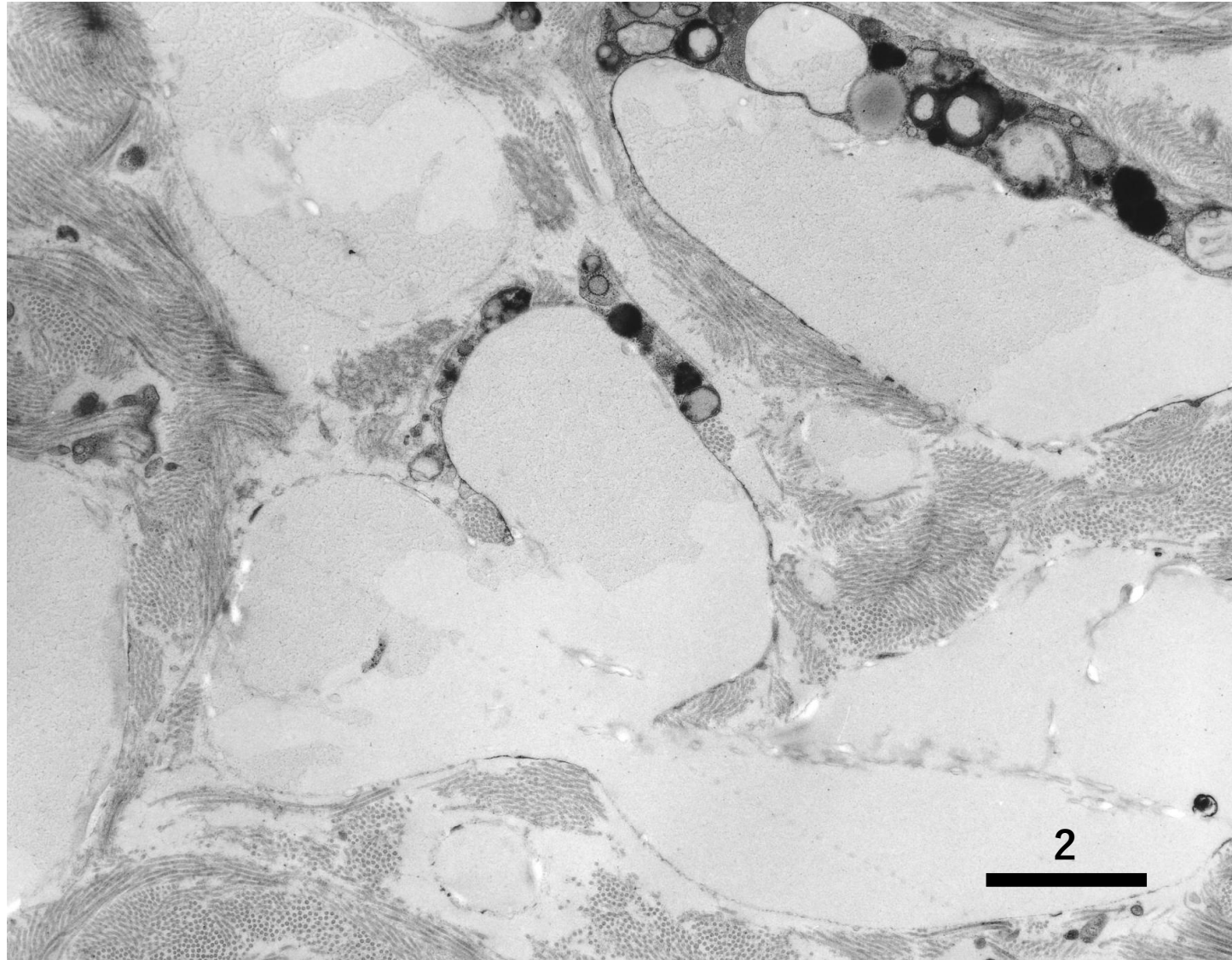




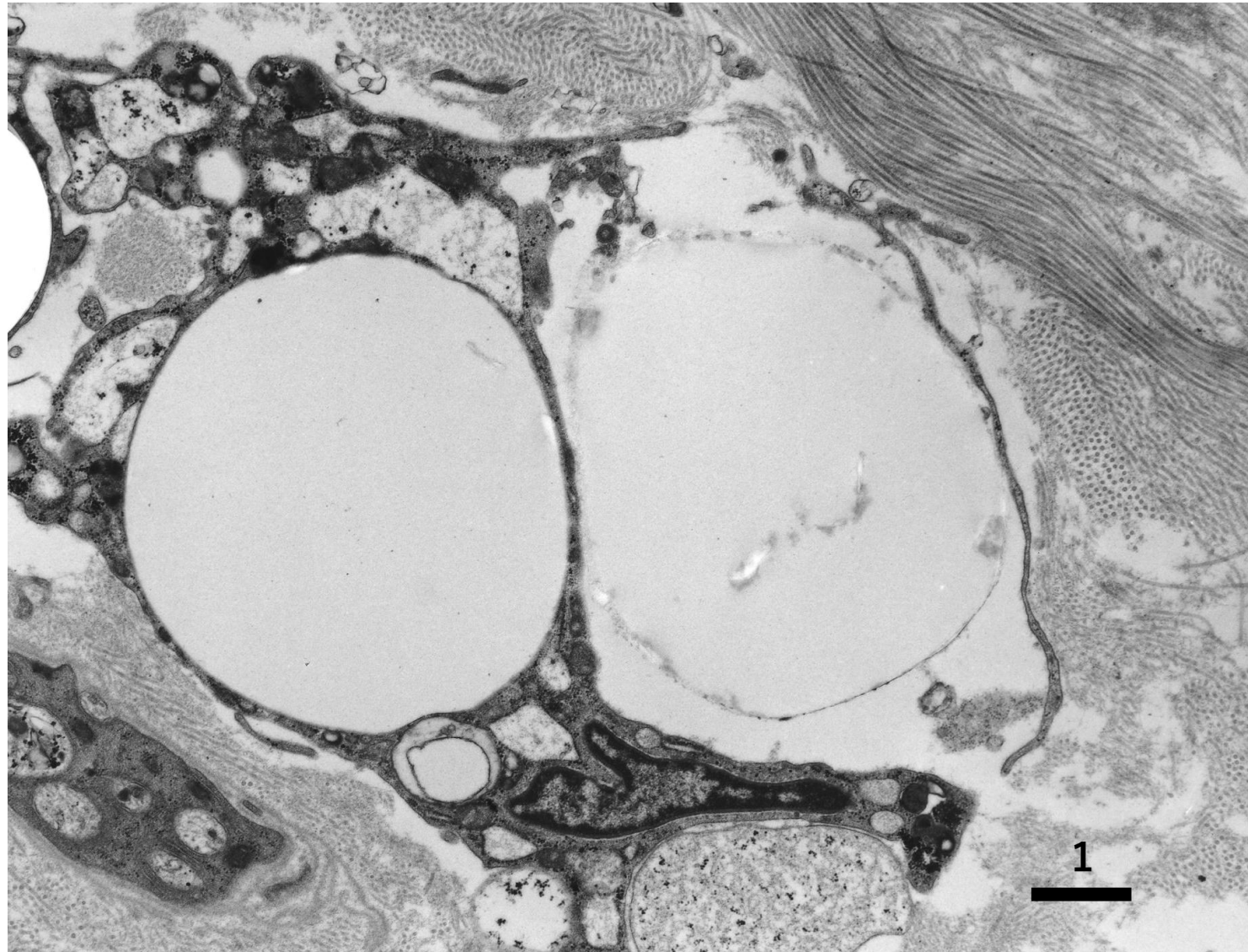
Paraffinoma (sclerosing lipogranuloma) seen in a 75 y-o female patient. Breast augmentation surgery using paraffin oil was performed 40 years ago. The biopsied subcutaneous tissue reveals deposition of lipid droplets of varying sizes dispersed in the hyalinized collagenous stroma (H&E-4).



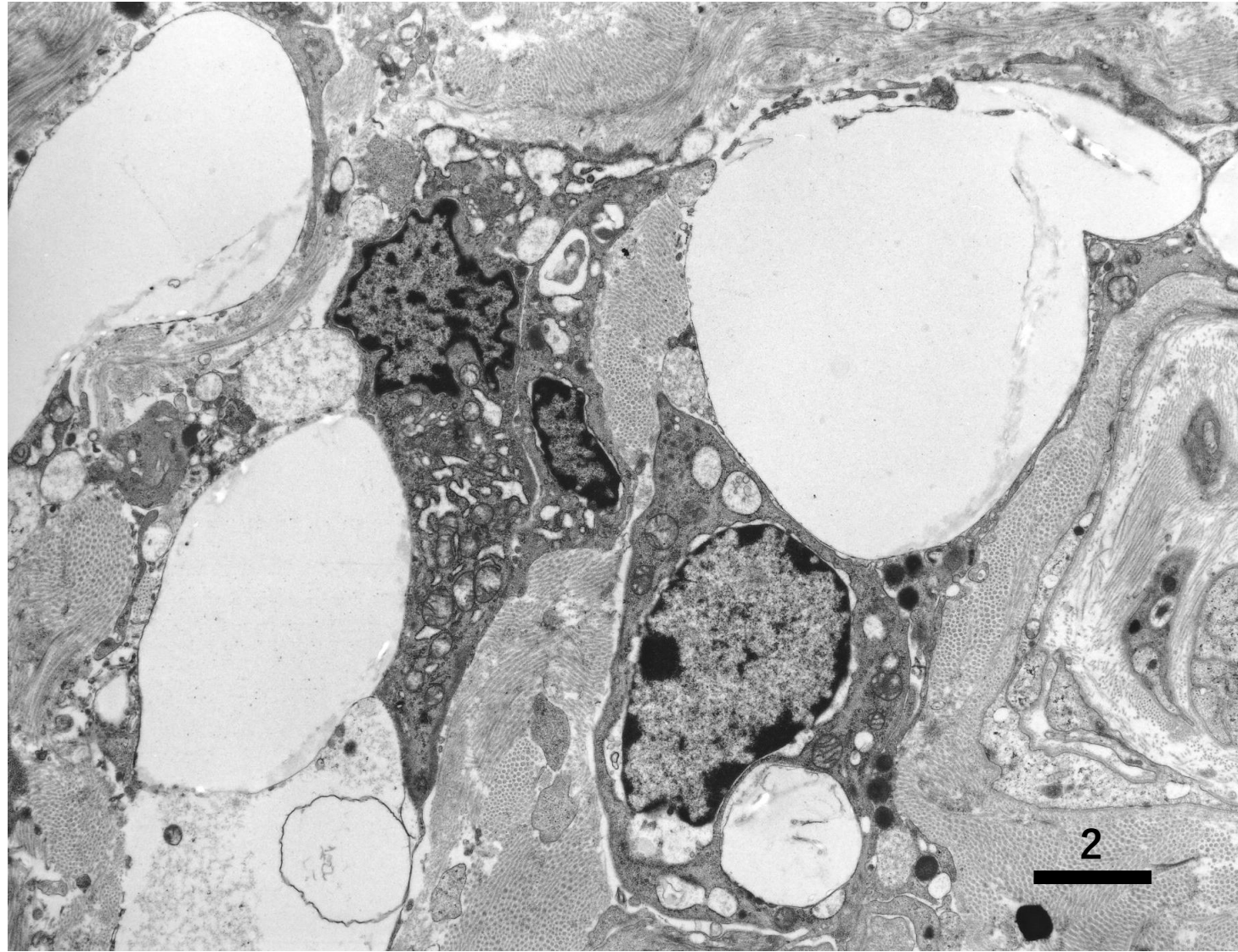
Paraffinoma (sclerosing lipogranuloma) seen in a 75 y-o female patient. Breast augmentation surgery using paraffin oil was performed 40 years ago. The biopsied subcutaneous tissue reveals deposition of lipid droplets dispersed in the hyalinized collagenous stroma. Dystrophic calcification is associated (H&E-4).



Ultrastructure of paraffinoma (sclerosing lipogranuloma) seen in a 75 y-o female patient. Breast augmentation surgery using paraffin oil was performed 40 years ago. The biopsied subcutaneous tissue reveals that lipid droplets are phagocytized by macrophages (TEM-1).



Ultrastructure of paraffinoma (sclerosing lipogranuloma) seen in a 75 y-o female patient. Breast augmentation surgery using paraffin oil was performed 40 years ago. The biopsied subcutaneous tissue reveals that lipid droplets are phagocytized by macrophages (TEM-2).



Ultrastructure of paraffinoma (sclerosing lipogranuloma) seen in a 75 y-o female patient. Breast augmentation surgery using paraffin oil was performed 40 years ago. The biopsied subcutaneous tissue reveals that lipid droplets are phagocytized by macrophages (TEM-3).