

Introduction:
Vaginal cysts are rare and presentation ranges from asymptomatic lesions to acute pain. Management varies from conservative to surgical excision. We present three— biopsy proven cysts (Müllerian, Bartholin & Gartner), highlighting their sonographic features, clinical course, and individualized management strategies.

Aims & Objectives:
This case series characterize cyst types by ultrasound morphology, vascularity, and relationship to adjacent structures guiding management.

Materials and Methods:
High-frequency transvaginal ultrasound with perineal approach and a linear transducer were employed for morphological characterization of the lesions. Grayscale imaging assessed the cystic nature and intralesional morphology, while color Doppler with low velocity defined lesional and perilesional vascularity. Each cyst was localized to its precise layer of origin, mapped in relation to adjacent structures, including the urethra and rectum, ensuring accurate anatomical correlation.

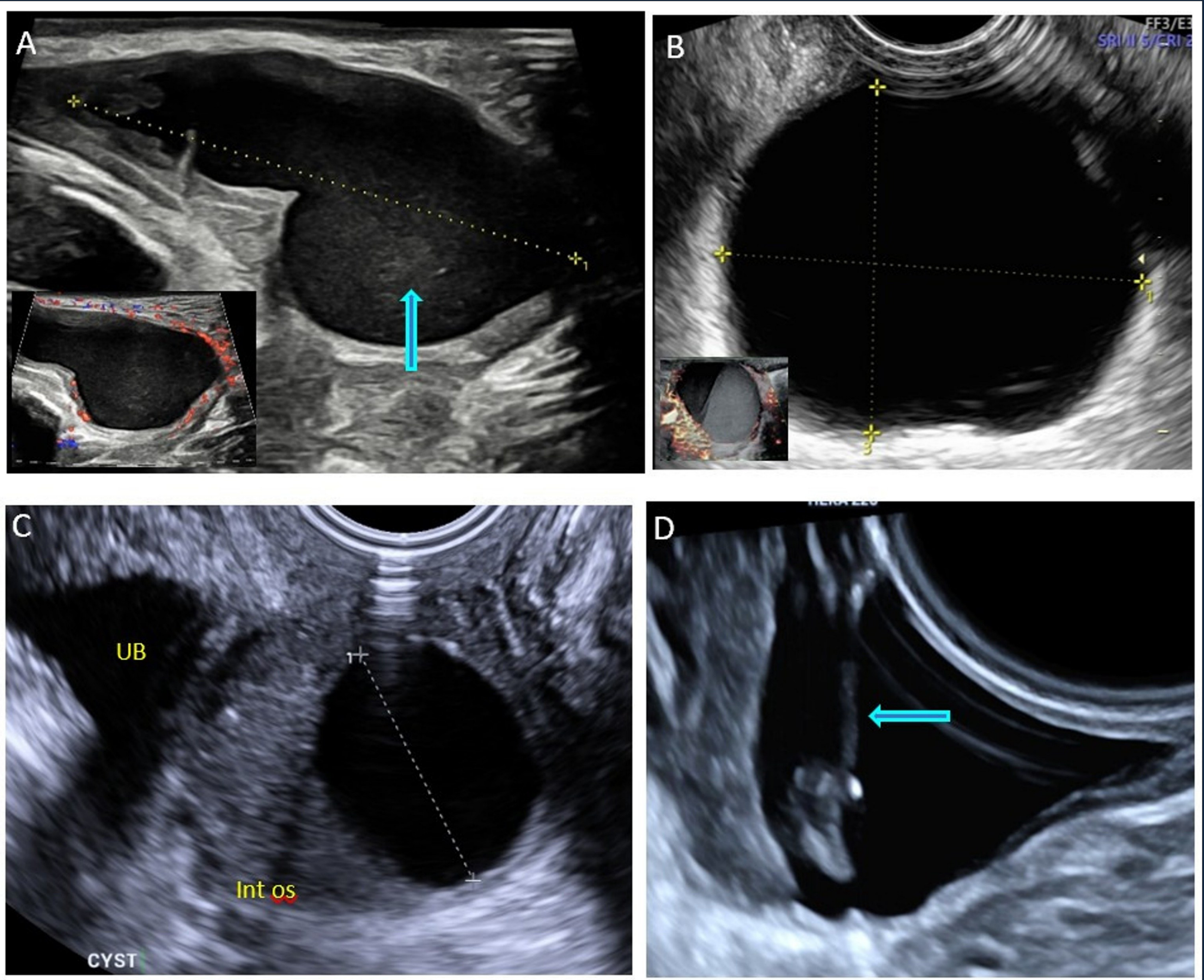
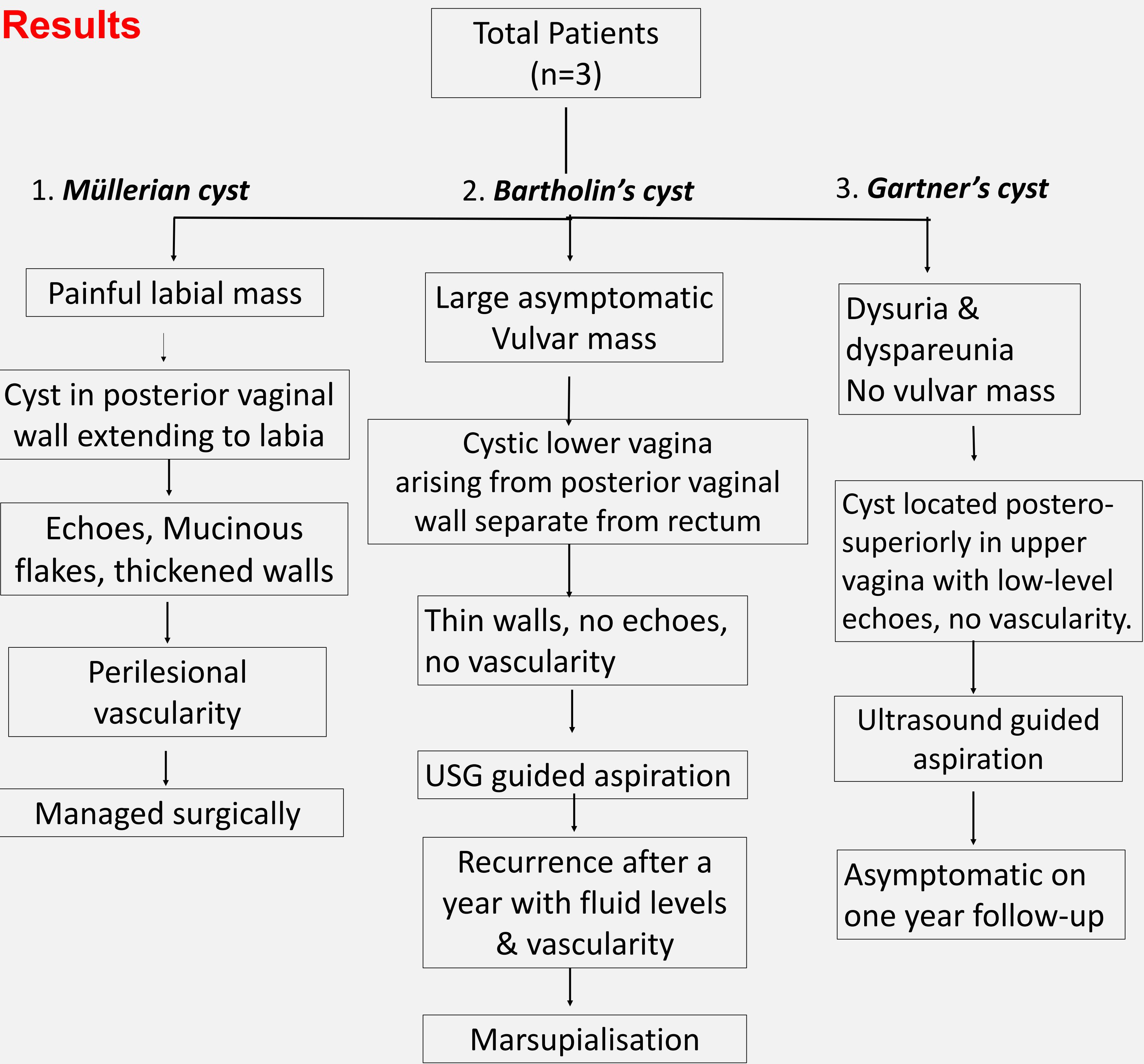


Figure 1: Vaginal cysts on transperineal scan: (A) Müllerian cyst at the vulva extending into the labia (arrow- mucinous flakes), perilesional vascularity (Inset); (B) Bartholin’s cyst at lateral introitus, later infected with fluid levels (Inset); (C) Gartner’s cyst in upper vagina (well-defined, low-level echoes); (D) Ultrasound-guided aspiration of Gartner’s cyst (Arrow-needle).

Conclusion:
High-frequency ultrasound reliably characterizes vaginal cysts, defines their origin, morphology, and assesses vascularity and inflammatory changes. It enables precise, minimally invasive management without reliance on MRI, reducing cost and delays. Although, histology confirms the final diagnosis, ultrasound findings can guide management decisions. Defining relationship to adjacent structures enables better surgical planning. In few selected cases ultrasound guided aspiration gives a good outcome. Our series highlights the role of ultrasound as a first-line tool for evaluating embryonic vaginal cysts and guiding individualized treatment strategies with successful outcomes.