

Supplementary Table 1. Summary of clinical and pathological characteristics of heterotopic hilus cells in the salpinx and mesosalpingeal areas

Article	Age (yr)	Symptom(s)	Operation	Additional pathology	Location of hilus cells	Size of hilus cell nest	Relationship with nerves or vessels	Reinke crystal	Lipofuscin pigmentation
Lewis 1964 [4]	58	Abdominal pain, nausea, vomiting	H BSO appendectomy	Leiomyoma Mature teratoma Bilateral ovarian hilus cells	Bilateral Fimbriae, throughout Stroma	NA	NA	Present	Present
Palomaki 1971 [11]	48	NA	H BSO	Leiomyoma	Right Midportion of the salpinx Subepithelial stroma	NA	NA	Absent	NA
Honore 1979 [7]	NA	NA	Tubal ligation	Absent	Bilateral Intraligamentous parafimbrial cyst applied to the outside of the cyst wall	2–3 mm	NA	NA	NA
Honore 1979 [7]	NA	NA	Tubal ligation	Bilateral paratubal cysts	Bilateral Paratubal cyst	1 mm	NA	NA	NA
Honore 1979 [7]	NA	NA	Tubal ligation	Absent	Side unspecified Fimbriae Subendothelial lamina propria of endosalpinx	NA	NA	NA	NA
Honore 1979 [7]	NA	NA	Tubal ligation	Absent	Side unspecified	NA	NA	NA	NA

					Fimbriae Subendothelial lamina propria of endosalpinx				
Honore 1979 [7]	NA	NA	Tubal ligation	Absent	Side unspecified Fimbriae Subendothelial lamina propria of endosalpinx	NA	NA	NA	NA
Honore 1979 [7]	NA	NA	Tubal ligation	Absent	Bilateral Near the fimbria Perisalpinx	NA	Paraneural and paravascular	Absent	Absent
Honore 1979 [7]	NA	NA	Tubal ligation	Absent	Bilateral Near the fimbria Perisalpinx	NA	Paravascular	Absent	Absent
Honore 1979 [7]	NA	NA	Tubal ligation	Absent	Bilateral Near the fimbria Perisalpinx	NA	paravascular	absent	absent
Honore 1979 [7]	NA	Meonrrhagia	H	Absent	Side unspecified Paraisthmic tissue related to the attached tubal stumps	NA	Paravascular, paraneural and endoneural	NA	NA
Honore 1979 [7]	NA	Meonrrhagia	H	NA	NA	NA	NA	NA	NA

Honore 1979 [7]	NA	Meonrrhagia	H	NA	NA	NA	NA	NA	NA
Honore 1979 [7]	NA	Meonrrhagia	H, USO	NA	NA	NA	NA	NA	NA
Usubutun 2007 [12]	66	Abdominal pain and vaginal bleeding	H, BSO, pelvic and paraortic lymphadenectomy omentectomy	Endometrioid adenocarcinoma Ovarian hilus cells, bilateral	Left Fimbriae beneath tubal epithelium	NA	NA	NA	NA
Hirschowitz 2011 [13]	78 (case 1)	NA	BSO	Endometriosis, of the left ovary, hydrosalpinx, left Ovarian hillus cell hyperplasia, left	Left Site unspecified Myosalpinx and beneath the lining epithelium	<1mm	NA	Absent	NA
Hirschowitz 2011 [13]	42 (case 2)	Meonrrhagia	H, BSO	Left tuboovarian adhesion Follicular cyst of the left ovary Salpingitis isthmica nodosa, left Hemorrhagic corpus luteum, right	Left Fimbrial cyst Wall, "Indian-file like"	NA	NA	Absent	NA
Hirschowitz 2011 [13]	51 (case 3)	NA	H, BSO	Cystic teratoam of the right ovary Hilus cell hyperplasia in the right ovarian hilum	Right Fimbria, tip Subepithelial stroma	5mm	Paraneural, and paravascular	NA	NA

Russell 2013 [14]	64	None	BSO	Hilus cell hyperplasia in the hilar and mesoovaria, Transitional cell metaplasia right BRCA2 germline mutation Breast cancer 32 yr ago	Bilateral Fimbriae	NA	NA	Absent	NA
Ansari 2014 [15]	52	Abdominal mass	H, BSO, repair of incisional hernia	Leiomyoma	Side unspecified Site unspecified Scattered throughout the stroma of the tubes beneath the normal epithelium	NA	NA	Absent	NA
He 2014 [16]	60	Lower abdominal pain	BSO	Serous cystadenoma, bilateral	Left Fimbria Subepithelial stroma	NA	NA	Absent	Absent
Chougule 2017 [17]	45 (case 1)	Abdominal pain	Neoadjuvant chemotherapy, Debulking surgery	High-grade serous carcinoma, right ovary Mesonephric duct remnant, side unspecified	Side unspecified Mesosalpinx	NA	Perineural and intraneural	Present	Present

Chougule 2017 [17]	61 (case 2)	NA	Neoadjuvant chemotherapy, Debulking surgery	Mesonephric duct remnant Ovarian hilus cell hyperplasia	Side unspecified Mesosalpinx	NA	Intraneural	NA	NA
Carrasco-Juan 2018 [6]	NA	NA	NA	Endometrial hyperplasia	Side unspecified Mesosalpinx	NA	Present	NA	NA
Carrasco-Juan 2018 [6]	NA	NA	NA	Endometrial carcinoma	Side unspecified Fimbria Stroma	NA	Absent	NA	NA
Carrasco-Juan 2018 [6]	NA	NA	NA	Endometrial carcinoma	Side unspecified Mesosalpinx	NA	Present	NA	NA
Carrasco-Juan 2018 [6]	NA	NA	NA	Endometrial carcinoma	Side unspecified Fimbria Stroma	NA	Present	NA	NA
Carrasco-Juan 2018 [6]	NA	NA	NA	Endometrial carcinoma	Side unspecified Fimbria Stroma	NA	Present	NA	NA
Carrasco-Juan 2018 [6]	NA	NA	NA	Cervical carcinoma	Side unspecified Mesosalpinx	NA	Present	NA	NA
Carrasco-Juan 2018 [6]	NA	NA	Tubal ligation	NA	Side unspecified Mesosalpinx	NA	Present	NA	NA

Carrasco-Juan 2018 [6]	NA	NA	NA	NA	NA	NA	Present	NA	NA
Camacho-Partida 2019 [18]	66	Uterine bleeding and hypogastric pain	H, BSO	Endometrioid adenocarcinoma of the endometrium Bilateral ovarian hilus cell hyperplasia Breast ductal carcinoma (4 yr) →tamoxifen	Side unspecified “wall”	NA	Present, endoneural and perineural	Present	Present
Hu 2019 [19]	63	NA	H, BSO	HSIL	Right Fimbria Subepithelial stroma of the fimbriae	NA	Absent	Absent	Absent
This case	48	Menorrhagia, vaginal spotting	H, bilateral salpingectomy	LSIL Leiomyoma, uterosacral ligament, subserosal and intramural Mesonephric duct remnant of the right salpinx	Right fallopian tube, subepithelial stroma of the infundibulum	<1 mm	Absent	Absent	Absent

H, hysterectomy; BSO, bilateral salpingo-oophorectomy; NA; not applicable, USO; unilateral salpingo-oophorectomy; HSIL, high-grade squamous intraepithelial lesion; LSIL, low-grade squamous intraepithelial lesion.