Supplementary Material 1. Literature review of pediatric patients with localized cystic disease of the kidney.

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| Patient no. | Publication | Age at presentation (year) | Sex | Presenting symptoms | Types of management  | Follow-up (month) | Family history | Laterality | Location | Hyperechoic foci on US | Cyst in contralateral kidney |
| 1 | Cho *et al* 1979 | 3 | F | hematuria, hypertension abdominal mass | nephrectomy |  | no | Rt | upper |  | - |
| 2 | Levin *et al* 1989 | 14 | M | asymptomatic | follow up | 84 | no  | Lt | entire |  | - |
| 3 | Middlebrook *et al*. 1992 | 0 | F | asymptomatic | nephrectomy |  | no  | Rt | entire | - | - |
| 4 | Dougougeat *et al*. 2000 | 15 | M | flank pain, orthostatic high BP | conservative treament |  | no  | Lt | mid |  | - |
| 5 | Dougougeat *et al*. 2000 | 10 | M | Rt abdominal pain | follow up  | 12 | father-nephrolithiasis | Lt | entire | - | - |
| 6 | Boybeyi *et al*. 2008 | 4.5 | F | UTI. | cyst excision |  | no  | Rt | mid | - | - |
| 7 | Taskinen *et al*. 2009 | 0 | F | sepsis | partial nephrectomy |  | ? | Lt  | upper | - | - |
| 8 | Neyaz *et al*. 2012 | 16 | M | abdominal pain | follow up |  | no | Rt | mid lower |  | - |
| 9 | Solak *et al*. 2013 | 16 | M | hypertension | partial nephrectomy |  | no  | Rt  | upper | + | - |
| 10 | Behr *et al*. 2016 | 6 | M | abdominal pain | nephrectomy |  | ? | Rt  | inferior | + | - |
| 11 | Kaselas *et al* 2020. | 0 | M | asymptomatic | preoperative chemotherapy with nephrectomy |  | ? | Lt | mid |  | - |