

Table S1 Number and proportion of abnormal values of each index

Variable	E2 (pg/mL)	FSH (mIU/mL)	LH (mIU/mL)	PRL (mIU/mL)	PROG (ng/mL)	TESTO (ng/mL)
Total	65 (2.62%)	46 (1.86%)	95 (3.84%)	60 (2.42%)	119 (4.80%)	95 (3.84%)
Age group						
1 d-1 m	3 (1.76%)	8 (4.71%)	3 (1.76%)	1 (0.59%)	8 (4.71%)	7 (4.12%)
>1-12 m	1 (0.45%)	8 (3.59%)	1 (0.45%)	9 (4.04%)	11 (4.93%)	9 (4.04%)
>1-3 y	0 (0%)	4 (2.86%)	7 (5.00%)	0 (0%)	6 (4.29%)	6 (4.29%)
>3-6 y	2 (0.95%)	2 (0.95%)	10 (4.76%)	7 (3.33%)	5 (2.38%)	10 (4.76%)
>6-9 y	3 (0.51%)	9 (1.54%)	25 (4.27%)	25 (4.27%)	25 (4.27%)	24 (4.10%)
>9-12 y	20 (4.76%)	3 (0.71%)	21 (5%)	13 (3.1%)	19 (4.52%)	18 (4.29%)
>12-15 y	11 (4.8%)	4 (1.75%)	6 (2.62%)	0 (0%)	21 (9.17%)	7 (3.06%)
>15-18 y	11 (4.74%)	4 (1.72%)	7 (3.02%)	2 (0.86%)	12 (5.17%)	7 (3.02%)
>18-19 y	14 (5.22%)	4 (1.49%)	15 (5.6%)	3 (1.12%)	12 (4.48%)	7 (2.61%)
Gender						
Female	58 (5.59%)	33 (3.18%)	68 (6.55%)	31 (2.99%)	85(8.19%)	47 (4.53%)
Male	7 (0.49%)	13 (0.9%)	27 (1.88%)	29 (2.02%)	34 (2.36%)	48 (3.34%)

E2, estradiol; FSH, follicle-stimulating hormone; LH, luteinizing hormone; PRL, prolactin; PROG, progesterone; TESTO, testosterone; m, month; y, year.

Table S2 Serum E2, FSH, LH, PRL, PROG, and TESTO levels according to age in the female population

Age group	E2 (pg/mL)	FSH (mIU/mL)	LH (mIU/mL)	PRL (mIU/mL)	PROG (ng/mL)	TESTO (ng/mL)
1 d-1 m	31.72 [13.51, 67.44]	5.02 [0.04, 22.73]	0.53 [0.09, 7.14]	109.46 [5.91, 333.29]	1.91 [0.21, 5.62]	0.29 [0.00, 0.81]
>1-12 m	24.67 [10.71, 41.27]	5.87 [0.68, 17.79]	0.18 [0.03, 5.21]	17.56 [6.09, 70.31]	0.42 [0.13, 3.49]	0.01 [0.00, 0.27]
>1-3 y	22.63 [9.39, 45.28]	3.77 [1.10, 7.85]	0.14 [0.06, 0.51]	13.45 [5.05, 40.20]	0.21 [0.10, 0.58]	0.00 [0.00, 0.04]
>3-6 y	20.07 [5.25, 34.33]	2.31 [0.92, 4.75]	0.14 [0.08, 0.46]	10.26 [4.55, 25.60]	0.44 [0.28, 0.81]	0.02 [0.00, 0.08]
>6-9 y	22.46 [9.40, 41.02]	2.2 [0.53, 5.47]	0.14 [0.01, 0.66]	8.84 [4.44, 28.21]	0.41 [0.14, 1.58]	0.02 [0.00, 0.11]
>9-12 y	25.78 [12.41, 56.09]	3.31 [0.59, 8.66]	0.35 [0.07, 4.44]	9.55 [4.57, 22.75]	0.43 [0.15, 0.88]	0.05 [0.00, 0.22]
>12-15 y	45.56 [4.73, 168.04]	5.70 [1.45, 10.29]	6.59 [0.73, 18.87]	11.59 [0.76, 35.79]	0.67 [0.16, 24.41]	0.18 [0.03, 0.57]
>15-18 y	52.66 [23.06, 224.44]	6.38 [1.19, 10.67]	7.14 [0.50, 21.27]	16.02 [5.75, 41.92]	0.68 [0.35, 14.57]	0.36 [0.08, 0.96]
>18-19y	43.13 [16.53, 111.50 ^a]	6.86 [2.61, 11.81]	5.87 [2.04, 13.05 ^a]	16.49 [7.94, 31.70]	0.74 [0.21, 1.32]	0.36 [0.12, 0.76]

The P50 [P2.5, P97.5] for each sex hormone is presented. ^a, 95th percentile presented and 97.5th not available; E2, estradiol; FSH, follicle-stimulating hormone; LH, luteinizing hormone; PRL, prolactin; PROG, progesterone; TESTO, testosterone; m, month; y, year.

Table S3 Serum E2, FSH, LH, PRL, PROG, and TESTO levels according to age in the male population

Age group	E2 (pg/mL)	FSH (mIU/mL)	LH (mIU/mL)	PRL (mIU/mL)	PROG (ng/mL)	TESTO (ng/mL)
1 d-1 m	31.08 [16.78, 61.53]	3.43 [0.5, 12.02]	4.40 [0.09, 12.27]	132.64 [5.12, 322.45]	2.05 [0.16, 6.04]	0.74 [0.00, 1.80]
>1-12 m	22.05 [10.75, 34.47]	2.12 [0.39, 9.53]	1.19 [0.05, 6.60]	17.72 [6.12, 63.5]	0.52 [0.12, 3.50]	0.03 [0.00, 1.04]
>1-3 y	20.33 [4.97, 32.46]	0.97 [0.40, 4.21]	0.15 [0.06, 0.61]	12.37 [4.77, 34.24]	0.17 [0.08, 0.46]	0.01 [0.00, 0.06]
>3-6 y	20.57 [5.55, 34.54]	1.09 [0.34, 4.56]	0.18 [0.08, 0.41]	9.34 [4.13, 21.28]	0.45 [0.28, 0.91]	0.02 [0.00, 0.07]
>6-9 y	22.31 [7.06, 35.50]	1.45 [0.53, 5.43]	0.18 [0.03, 0.73]	9.00 [4.17, 26.89]	0.32 [0.14, 1.19]	0.01 [0.00, 0.13]
>9-12 y	22.37 [5.18, 38.00]	2.45 [0.50, 5.73]	0.34 [0.03, 2.89]	8.14 [3.40, 22.12]	0.34 [0.14, 0.86]	0.04 [0.00, 0.30]
>12-15 y	27.52 [2.77, 62.82]	4.6 [1.89, 10.96]	3.71 [0.83, 11.55]	10.53 [1.27, 35.46]	0.48 [0.19, 1.34]	1.55 [0.08, 7.11]
>15-18 y	34.61 [10.05, 64.22]	4.06 [1.85, 10.64]	4.53 [0.79, 10.63]	11.81 [1.10, 29.57]	0.59 [0.20, 1.86]	4.62 [0.17, 8.90]
>18-19 y	35.86 [19.31, 59.45]	3.74 [1.51, 8.44]	4.57 [2.09, 10.85]	12.86 [6.58, 27.36]	0.65 [0.33, 1.4]	5.8 [2.41, 9.65]

The P50 [P2.5, P97.5] for each sex hormone is presented. E2, estradiol; FSH, follicle-stimulating hormone; LH, luteinizing hormone; PRL, prolactin; PROG, progesterone; TESTO, testosterone; m, month; y, year.