U4 Urinary Sediment

		Picture 1	Picture 2	Picture 3	Picture 4	Picture 5
10	Erythrocytes normal	378*	47	328*	88*	177*
11	Dysmorphic Erythrocytes	9	326*	21	119	200*
12	Acanthocytes	1	8	3	153	16
20	Leucocytes	11	3	18	41	8
30	Squamous Epithelia	0	0	0	1	0
31	Epithelia (other than squamous-)	0	0	0	0	0
32	Caudate Epithelia	0	0	0	0	0
33	Round Epithelia	0	0	1	0	0
34	Transitional Epithelia	0	1	0	0	0
35	Renal Tubular Epithelial Cells	0	1	1	1	1
36	Decoy Cells	0	4	2	3	1
40	Spermatozoa	0	0	0	0	0
50	Hyaline Casts	0	0	0	0	0
51	Granular Casts	0	0	0	0	0
52	Waxy Casts	0	0	0	0	0
53	Erythrocyte Casts	0	0	0	0	0
54	Leucocyte Casts	0	0	0	0	0
55	Epithelia Cast	0	0	0	0	0
56	Pseudocasts	0	0	0	0	0
60	Bacteria	0	0	0	1	0
61	Yeast/Fungi	1	0	1	0	3
62	Trichomonas	0	0	1	0	0
70	Crystals and Salts	0	3	0	0	0
80	Hair	0	0	0	0	0
81	Mucus	0	0	0	0	0
82	Impurity	2	2	4	0	0
83	air bubble	3	4	8	0	1
57	Lipids	4	1	7	1	0
99	Unknown	0	7	13	1	2

** Target Value*

Commentary

Figure 1 shows a normal ec. Figure 3 shows an "erythrocyte shadow", i.e. an ec that no longer contains haemoglobin. In the sediment, these are classified as "normal", just like the echinocyte in image 4. Only dysmorphic erythrocytes are relevant for the diagnosis. These are shaped like a donut, i.e. they have an opening inside, as in images 2 and 5. In image 5, the image was not clear, which is why we also accepted "normal".Especially in picture 4, many participants stated that it was a dysmorphic or an acanthocyte. In the sediment, however, only dysmorphic erythrocytes with protrusions ("Mickey Mouseears") as acanthocytes.You can find more pictures of this urine sediment at MQZH.ch under "Photo albums".