

TABLE S2. Analysis of the angiogenesis-related rare disease in subset A according to International Classification of Diseases				
n°	Orpha ID	Rare diseases	ICD-10	Titles of ICD blocks
1	63443	Gastric cancer	C16	Neoplasms
2	44890	Gastrointestinal stromal tumor	C26.9	
3	70573	Small cell lung cancer	C34.9	
4	3398	Thymic epithelial tumor	C37	
5	668	Osteosarcoma	C40.9	
6	319	Ewing sarcoma	C41.8	
7	50251	Mesothelioma	C45	
8	33276	Kaposi's sarcoma	C46	
9	2126	Hemangiopericytoma	C49.9	
10	151	Familial renal cell carcinoma	C64	
11	360	Glioblastoma	C71.8	
12	3395	Brain tumor	C71.9	
13	142	Anaplastic thyroid carcinoma	C73	
14	99361	Familial medullary thyroid carcinoma	C73	
15	1332	Medullary thyroid carcinoma	C73	
16	1501	Adrenocortical carcinoma*	C74.0	
17	29072	Hereditary pheochromocytoma-paraganglioma*	C74.1	
18	717	Pheochromocytoma and secreting paraganglioma*	C74.1	
19	86886	Angioimmunoblastic T-cell lymphoma	C84.4	
20	86885	Unspecified peripheral T-cell lymphoma	C84.4	
21	29073	Multiple myeloma	C90.0	
22	58017	Hairy cell leukemia	C91.4	
23	519	Acute myeloid leukemia	C92.0	
24	86829	Chronic neutrophilic leukemia	C92.1	
25	733	Familial adenomatous polyposis	D12.6	
26	97279	Insulinoma	D13.7	
27	523	Familial leiomyomatosis	D21.9	
28	97287	Bronchial endocrine tumor	D38.1	
29	52688	Myelodysplastic syndromes	D46	
30	99871	Eosinophilic granuloma	D76.0	Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism
31	83454	Glomuvenous malformation	Q27.8	Congenital malformations, deformations and chromosomal abnormalities
40	164	Cerebral cavernous malformations	Q28.3	
32	2905	POEMS syndrome*	R16	Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified
33	524	Li-Fraumeni syndrome	Z80	Factors influencing health status and contact with health services
34	213772	Adenocarcinoma of the cervix uteri	NONE	No ICD classification
35	163699	Alveolar soft-part sarcoma	NONE	
36	98731	Arteriovenous fistula	NONE	
37	211266	Arteriovenous malformation	NONE	
38	157980	Bladder Cancer	NONE	
39	223727	Bone sarcoma	NONE	
40	137667	Capillary malformation-arteriovenous malformation	NONE	
41	99970	Dedifferentiated liposarcoma	NONE	
42	31112	Dermatofibrosarcoma protuberans	NONE	
43	141209	Diffuse lymphatic malformation	NONE	
44	877	Endocrine tumor	NONE	
45	100092	Enteropancreatic endocrine tumor	NONE	
46	157791	Epithelioid hemangioendothelioma	NONE	
47	99976	Esophageal adenocarcinoma	NONE	
48	99977	Esophageal squamous cell carcinoma	NONE	
49	182067	Glioma	NONE	
50	99915	Granulosa cell malignant tumor	NONE	
51	88673	Hepatocellular carcinoma	NONE	
52	227535	Hereditary breast cancer	NONE	
53	213807	Leiomyosarcoma of the cervix uteri	NONE	
54	213625	Leiomyosarcoma of the corpus uteri	NONE	
55	65285	Lhermitte-Duclos disease	NONE	
56	69078	Liposarcoma	NONE	
57	168811	Malignant peritoneal mesothelioma	NONE	
58	3148	Malignant Schwannoma	NONE	
59	98292	Mastocytosis	NONE	
60	97338	Melanoma of soft part	NONE	
61	99967	Myxoid liposarcoma	NONE	
62	209989	Non-papillary transitional cell carcinoma of the bladder	NONE	
63	213504	Ovarian adenocarcinoma	NONE	
64	2800	Paget disease extramammary	NONE	
65	217074	Pancreatic carcinoma	NONE	
66	48686	Primary effusion lymphoma	NONE	
67	99923	Primary effusion lymphoma associated with HIV infection	NONE	
68	213528	Rare adenocarcinoma of the breast	NONE	
69	180250	Rare breast cancer	NONE	
70	217071	Renal cell carcinoma	NONE	
71	69077	Rhabdoid tumor	NONE	
72	3394	Soft tissue sarcomas	NONE	
73	210584	Spindle cell hemangioma	NONE	
74	67037	Squamous cell carcinoma of head and neck	NONE	
75	99868	Thymic carcinoma	NONE	
76	100100	Thymic tumor	NONE	
77	99867	Thymoma	NONE	
78	1063	Tufted angioma	NONE	
79	39044	Uveal melanoma	NONE	
80	99971	Well-differentiated liposarcoma	NONE	

*The following rare diseases have also other ICD codes: E24.8 (Endocrine, nutritional and metabolic diseases) for Adrenocortical carcinoma [ORPHA1501], C75.5, D35.0 and D35.6 (Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism) respectively, for Hereditary pheochromocytoma-paraganglioma syndrome [ORPHA29072] and Pheochromocytoma and secreting paraganglioma [ORPHA717], and finally D18.0, D47.2 (Neoplasms) and G61.8 (Diseases of the nervous system) for POEMS syndrome [ORPHA2905]. In grey color there is no ICD classification.