Table S1. Main features of previously reported cases of crystalloid inclusions in podocytes associated with plasma cell dysc	rasia

Reference	Sex/age (years)	Plasma cell dyscrasia	Clinical diagnosis	Pathologic features on kidney biopsy	Distribution of crystals in the kidney	Staining of intracytoplasmic crystals by IF/IHC
Carstens <i>et al</i> . ¹⁰	Male/57	IgG-к MM	Kidney insufficiency, mild proteinuria	FSGS	Podocytes, lesser degree in MCs, PECs, TECs	IF: Negative for both κ and λ
Yamamoto <i>et al</i> . ¹²	Male/71	IgG-к MM, systemic crystal storing histiocytosis	Proteinuria (40% Bence-Jones protein)	Interstitial infiltration and acute tubular necrosis	Interstitial histiocytes, podocytes, lesser degree in PECs, TECs	IHC: Positive for both κ and γ heavy chain (performed on the cornea)
Matsuyama et al.20	Female/40	IgG-к MGUS	Nephrotic syndrome, kidney failure	FSGS	Podocytes, lesser degree in PECs, TECs, tubular lumina	IHC: Positive for κ ; negative for λ
Kowalewska <i>et al.</i> ¹³	Female/52	IgG-к MM	Kidney insufficiency, mild proteinuria	Mild interstitial fibrosis and acute tubular necrosis	Podocytes, PECs, lesser degree in TECs, interstitial monocytes	IF: Negative for both κ and λ IHC: Positive for κ ; negative for λ
Papla <i>et al.</i> ¹⁴	Male/51	IgG-к MM, systemic crystal-storing histiocytosis	Bence-Jones proteinuria	Nonspecific changes on optical microscopy	Interstitial histiocytes, podocytes, MCs, endothelial cells	IHC: Negative for both κ and λ (performed on bone marrow)
Tomioka <i>et al.</i> ¹⁵	Female/46	IgG-к MM	Kidney insufficiency, albuminuria	FSGS	Podocytes, TECs, interstitial histocytes	IF: Positive for IgG- κ ; negative for λ
Keller <i>et al.</i> ¹⁶	Male/56	IgG-к MM	Acute kidney failure	Acute tubular necrosis	Podocytes, TECs, interstitial macrophages, tubular lumina	IF: Negative for both κ and λ
Nasr <i>et al.</i> ⁶	Female/54	IgG-к MM	Kidney insufficiency, nephrotic syndrome	Collapsing FSGS and myeloma cast nephropathy	Proximal TECs, podocytes, tubular casts	IF: Negative for both κ and λ IHC: Positive for κ ; negative for λ
Elliott <i>et al.</i> ²¹	Male/53	IgG-к MGUS	Kidney insufficiency, nephrotic syndrome	Acute tubular necrosis	Podocytes, TECs	IF: Positive for IgG- κ ; negative for λ
Akilesh <i>et al.</i> ¹⁷	Male/45	IgG-к MM	Kidney insufficiency, nephrotic syndrome	Collapsing FSGS	Podocytes, TECs, mesangial cells	IF: Negative for both κ and λ in crystal areas IHC: Negative for both κ and λ in crystal areas
Vankalakunti <i>et al.</i> ²²	Male/63	IgG-к MGUS	Kidney insufficiency, nephrotic syndrome	MPGN pattern	Endothelial cells, podocytes	IHC: Positive for κ ; negative for λ
Jeon <i>et al.</i> ¹⁸	Female/52	IgG-к MM	Mild kidney insufficiency and proteinuria	FSGS	Podocytes, distal TECs, lesser degree in proximal TECs	IF: Negative for both κ and λ IHC: Positive for κ ; negative for λ
Wang <i>et al.</i> ¹⁹	Male/71	IgG-к MM	Proteinuria	Severe interstitial fibrosis with tubular atrophy	Podocytes	IF: Negative for both κ and λ IHC: Positive for κ ; negative for λ
Boudhabhay et al.11	Male/60	IgG-к MM	Kidney insufficiency, nephrotic syndrome	FSGS	PECs, interstitial histocytes, podocytes, MCs	IF: Positive for IgG- κ ; negative for λ
Yu et al. ²³	Female/53	IgG-к MGUS	Kidney insufficiency, mild proteinuria	FSGS	Podocytes, TECs	IF: Negative for both κ and λ Immuno-EM: Positive for κ ; negative for λ
Ito et al. ²⁴	Female/65	IgG-к MGUS	Kidney insufficiency, mild proteinuria	Diffuse interstitial fibrosis	Podocytes, TECs, interstitial histocytes	IF: Negative for both κ and λ
Current case	Male/53	IgG-к MGUS, systemic crystal- storing histocytosis	Kidney insufficiency, nephrotic syndrome	Collapsing FSGS	Podocytes, TECs, MCs	IF: Negative for both κ and λ IHC: Negative for both κ and λ

Abbreviations: IF= immunofluorescence; IHC= immunohistochemistry; κ= kappa light chain; λ= lambda light chain; MCs= mesangial cells; MGUS= monoclonal gammopathy of unknown significance; MM = multiple myeloma, MPGN= membranoproliferative glomerulonephritis; PECs= parietal epithelial cells; TECs= tubular epithelial cells.