supplementary table： Clinical features and lab examination of the MPA patients in recent years

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Di. Maria, M. V.et al. （1） | Brunner, J. et al. （2） | Dziuban, E. J. et al. （3） | HaradaT. et al.（4）  | Jindal, G et al.（5） | Yamato, K et al.（6）  | Yamada, Y et al.（7）  | Iglesias, E et al.（8）  | Wang, H et al.（9）  | Wang, S et al.（10）  | Adachi, A et al.（11）  | Bhadu Det al.（12）  | Kaseda, K et al.（13）  | Luis FF et al.（14）  | Pilania, R. K.et al.（15）  | Roszkiewicz, J（16） |
| Age(y) | 13 | 14 | 16 | 13 | 9 | 11 | 7 | 12 | 1.9-16.2 | 10 | 11 | 14 | 12 | 16 | 2 | 6 |
| Sex | M | F | M | F | F | F | F | F | 7F/2M | F | F | F | F | F | F | F |
| Clinical manifestationPIRICINSIGIOthers | ++---- | +++--ArthritisAnemia | ++---Anemiahypertension | -+--+- | ++---Anemiajoint pain | -+---Anemia | +++--Anemia | ---++- | 9/97/9--2/9ArthritisAnemia | ++++-- | +++--Arthritis | ++++-Arthritis | -+---- | ++-+- | +----pulmonary hypertension | ++---- |
| Initial syndromes | PI | CI | PI | RI | Anemia | Anemia | Anemia | NSI | 8/9PI,2/9RI | CI+PI | CI | Arthritis | RI | PI | PI | PI |
| MPO/p-ANCA | + | + | + | + | + | + | + | + | 9/9 | + | + | + | + | + | + | + |
| X | + | N/A | - | N/A | N/A | + | + | - | N/A | N/A | + | + | N/A | N/A | + | + |
| CTground-glass opacityreticulationemphysemapatchy shadowsInterstitial pneumoniapleural effusionnodulesMosaic perfusion | N/A | +-----+- | +-----+- | N/A | ++------ | +------- | +------- | N/A | 1/9 -5/9--3/91/91/9-- | +--+---- | N/A | +++----- | N/A | - | -------+ | ----+--- |
| Renal Biopsy | N/A | + | + | + | + | + | - | N/A | 7/9 | + | N/A | + | + | N/A | N/A | + |
| Misdiagnosis | - | - | - | - | - | - | - | - | 4/9 IPH | Pneumonia | - | TB | - | Infection | - | Pneumonia |
| Antibiotic | + | - | - | - | - | - | + | - | N/A | + | - | + | - | + | - | + |

M, male; F, Female; PI, Pulmonary Involvement; RI, Renal Involvement; CI, Cutaneous Involvement; NSI, Nervous System Involvement; +,positive; -,negative; p-ANCA/MPO, perinuclear ANCA/myeloperoxidase; N/A, not applicable; X, X-rays; CT, [computerized tomography](../../../Program%20Files%20%28x86%29/Dict/7.5.0.0/resultui/dict/); IPH, idiopathic pulmonary hemosiderosis

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