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 manifestation  PI  RI  CI  NSI  GI  Others | +  +  -  -  -  - | +  +  +  -  -  Arthritis  Anemia | +  +  -  -  -  Anemia  hypertension | -  +  -  -  +  - | +  +  -  -  -  Anemia  joint pain | -  +  -  -  -  Anemia | +  +  +  -  -  Anemia | -  -  -  +  +  - | 9/9  7/9  -  -  2/9  Arthritis  Anemia | +  +  +  +  -  - | +  +  +  -  -  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 | + | + |
| CT  ground-glass opacity  reticulation  emphysema  patchy shadows  Interstitial pneumonia  pleural effusion  nodules  Mosaic perfusion | N/A | +  -  -  -  -  -  +  - | +  -  -  -  -  -  +  - | N/A | +  +  -  -  -  -  -  - | +  -  -  -  -  -  -  - | +  -  -  -  -  -  -  - | N/A | 1/9 -  5/9  -  -  3/9  1/9  1/9  -  - | +  -  -  +  -  -  -  - | 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(x86)/Dict/7.5.0.0/resultui/dict/); IPH, idiopathic pulmonary hemosiderosis

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