

## Rilzabrutinib-induced transition from pemphigus vulgaris to pemphigus foliaceus: a case report and literature review

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### SUPPLEMENTARY MATERIAL

**Supplementary Table 1.** Cases of pemphigus with transition from PV to PF.

| References                                 | N° patients | Age (years), Sex | First Diagnosis | Anti-DSG 1 positivity at diagnosis | Skin involvement | Current treatment        | Previous treatment                     | Time between diagnosis and transition | Transition confirmation |
|--------------------------------------------|-------------|------------------|-----------------|------------------------------------|------------------|--------------------------|----------------------------------------|---------------------------------------|-------------------------|
| Iwatsuki <i>et al.</i> , 1991 <sup>9</sup> | 2           | 36, F            | PV              | N/A                                | YES              | N/A                      | Prednisolone, azathioprine             | 2 years                               | Histology, immunoassay  |
|                                            |             | 58, F            | PV              | N/A                                | YES              | N/A                      | Topical clobetasol propionate ointment | 7 months                              | Histology               |
| Kawana <i>et al.</i> , 1994 <sup>10</sup>  | 2           | 57, F            | PV              | N/A                                | YES              | Prednisolone 5-10 mg/day | Prednisolone                           | 2 years                               | Histology, immunoassay  |

|                                            |   |         |    |     |     |                          |                                                   |          |                        |
|--------------------------------------------|---|---------|----|-----|-----|--------------------------|---------------------------------------------------|----------|------------------------|
|                                            |   | 46, F   | PV | N/A | YES | Prednisolone 10 mg/day   | Prednisolone                                      | 2 years  | Histology, immunoassay |
| Chang <i>et al.</i> , 1997 <sup>11</sup>   | 1 | 47, M   | PV | N/A | YES | None                     | Prednisolone                                      | 2 years  | Histology, immunoassay |
| Komai <i>et al.</i> , 2001 <sup>6</sup>    | 4 | 65, N/A | PV | YES | N/A | N/A                      | N/A                                               | 1 year   | Immunoassay            |
|                                            |   | 40, N/A | PV | NO  | N/A | N/A                      | N/A                                               | 1 year   | Immunoassay            |
|                                            |   | 50, N/A | PV | YES | N/A | N/A                      | N/A                                               | 6 months | Immunoassay            |
|                                            |   | 58, N/A | PV | YES | N/A | N/A                      | N/A                                               | 1 year   | Immunoassay            |
| Harman <i>et al.</i> , 2002 <sup>13</sup>  | 1 | 44, N/A | PV | YES | YES | Prednisolone             | Prednisolone, azathioprine, cyclophosphamide      | 5 years  | Histology, immunoassay |
| Tóth <i>et al.</i> , 2002 <sup>14</sup>    | 1 | 28, M   | PV | YES | YES | None                     | Prednisolone, dexamethasone, azathioprine         | 2 years  | Histology, immunoassay |
| Tsuji <i>et al.</i> , 2002 <sup>15</sup>   | 1 | 55, M   | PV | NO  | NO  | Betamethasone 3,5 mg/day | Methylprednisolone, plasmapheresis, betamethasone | 2 years  | Histology, immunoassay |
| Ling Ng <i>et al.</i> , 2004 <sup>16</sup> | 3 | 29, M   | PV | N/A | NO  | Prednisolone 20 mg +     | Prednisolone, azathioprine                        | 11 years | Immunoassay            |

|                                                    |    |       |    |     |     |                                                     |                                                  |            |                           |
|----------------------------------------------------|----|-------|----|-----|-----|-----------------------------------------------------|--------------------------------------------------|------------|---------------------------|
|                                                    |    |       |    |     |     | cyclophosphamide<br>150 mg/day                      |                                                  |            |                           |
|                                                    |    | 56, M | PV | N/A | YES | Prednisolone 7.5<br>mg + azathioprine<br>100 mg/day | Prednisolone,<br>azathioprine                    | 3 years    | Immunoassay               |
|                                                    |    | 45, F | PV | N/A | YES | Low-dose<br>azathioprine                            | Prednisolone                                     | 6 years    | Immunoassay               |
| Lévy-Sitbona <i>et al.</i> ,<br>2013 <sup>17</sup> | 1  | 47, M | PV | YES | YES | None                                                | Prednisone,<br>Rituximab                         | 2 years    | Histology,<br>immunoassay |
| España <i>et al.</i> , 2014 <sup>18</sup>          | 2  | 49, M | PV | YES | YES | N/A                                                 | Prednisone,<br>azathioprine,<br>cyclophosphamide | 4 years    | Histology,<br>immunoassay |
|                                                    |    | 35, M | PV | YES | YES | N/A                                                 | Prednisone,<br>azathioprine,<br>rituximab        | 3 years    | Histology,<br>immunoassay |
| Ito et al., 2014 <sup>19</sup>                     | 1  | 57, M | PV | YES | YES | N/A                                                 | Prednisolone, IVIg,<br>methylprednisolone        | 1,5 months | Histology,<br>immunoassay |
| Mohammadrezaee et<br>al., 2020 <sup>20</sup>       | 12 | M     | PV | YES | YES | N/A                                                 | N/A                                              | 1 year     | Immunoassay               |
|                                                    |    | M     | PV | YES | YES | N/A                                                 | N/A                                              | 6 months   | Immunoassay               |
|                                                    |    | M     | PV | YES | YES | N/A                                                 | N/A                                              | 1 year     | Immunoassay               |

|  |  |   |    |     |     |     |     |          |             |
|--|--|---|----|-----|-----|-----|-----|----------|-------------|
|  |  | M | PV | YES | YES | N/A | N/A | 8 months | Immunoassay |
|  |  | M | PV | YES | YES | N/A | N/A | 5 years  | Immunoassay |
|  |  | M | PV | YES | YES | N/A | N/A | 4 years  | Immunoassay |
|  |  | F | PV | NO  | YES | N/A | N/A | 2 years  | Immunoassay |
|  |  | F | PV | YES | YES | N/A | N/A | 2 years  | Immunoassay |
|  |  | F | PV | YES | YES | N/A | N/A | 4 years  | Immunoassay |
|  |  | F | PV | YES | YES | N/A | N/A | 2 years  | Immunoassay |
|  |  | F | PV | YES | YES | N/A | N/A | 4 years  | Immunoassay |
|  |  | F | PV | YES | YES | N/A | N/A | 3 years  | Immunoassay |

F, female; M, male; IVIg, intravenous immunoglobulins; N/A, not available; DSG1, desmoglein 1; PV, pemphigus vulgaris; PF, pemphigus foliaceus.