Is the objective of the study stated clearly in the abstract, introduction, or methods section?

Are the characteristics of the participants included in the study described?

Were the cases collected in more than one centre?

Are the eligibility criteria (inclusion and exclusion criteria) for entry into the study explicit and appropriate?

Were participants recruited consecutively?

Did participants enter the study at a similar point in the disease?

Is the cases described with sufficient details to allow other investigators to replicate the research or to allow practitioners to make inferences related to their own practice?

| Study                    | 2014 | 2013 | 2001 | 2005 | 2007 | 2003 | 2003 | 2012 | 2008 | 2009 | 2002 | 1990 | 1996 | 2011 | 2013 | 2000 | 2011 | 2010 |
|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Abrar-Ahmad              | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
| Ben-Skowronnek           |       | *    | *    | *    | *    | *    | *    | *    |       |       |       |       |       |       |       |       |       |       |
| Betterle                 |       |       | *    | *    | *    | *    | *    | *    |       |       |       |       |       |       |       |       |       |       |
| Choudhuri                |       |       |       | *    | *    | *    |       |       |       |       |       |       |       |       |       |       |       |       |
| Cruz                     | *    | *    |       |       |       | *    | *    |       |       |       |       |       |       |       |       |       |       |       |
| Dittmar                  |       | *    | *    |       |       |       | *    |       |       |       |       |       |       |       |       |       |       |       |
| Handa                    | *    | *    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Horie                    |       |       | *    |       |       |       |       | *    |       |       |       |       |       |       |       |       |       |       |
| Karagüzel                |       |       |       | *    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Karavanaki               | *    | *    |       |       |       |       |       |       | *    |       |       |       |       |       |       |       |       |       |
| Kondonouri               |       |       |       |       | *    |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Papadopoulos             |       | *    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Papadopoulos             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Piatkowska               | *    | *    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Renzullo                 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Sastre-Garriga           |       | *    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Storz                    | *    | *    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Teufel                   |       | *    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |

Supplementary table. 1. Quality assessment of the included studies
| First Author          | Year of publication | Design          | Country       | Number of patients | Age in APS | Sex in APS |
|----------------------|--------------------|-----------------|---------------|--------------------|------------|------------|
|                      |                    |                 |               |                    | APS not APS | Mean | SD | range | Female | Male |
| Abrar-Ahmad          | 2014               | Case series     | France        | 21                 | 7          | NA | NA | NA | NA | NA |
| Ben-Skowronek        | 2013               | Case series     | Poland        | 67                 | 294        | NA | NA | NA | 51 | 56 |
| Betterle             | 2001               | Retrospective   | Italy         | 100                | 147        | NA | NA | NA | NA | NA |
| Choudhuri            | 2005               | Retrospective   | India         | 41                 | 0          | 36.3 | 2.6 | 7-48 | 34 | 7 |
| Cruz                 | 2007               | Retrospective   | Brazil        | 254                | 0          | 39.12 | 13.48 | NA | 203 | 51 |
| Dittmar              | 2003               | Retrospective   | Germany       | 151                | 0          | NA | NA | NA | 134 | 37 |
| Handa                | 2003               | Retrospective   | India         | 5                  | 620        | NA | NA | NA | NA | NA |
| Horie                | 2012               | Retrospective   | Japan         | 54                 | 143        | NA | NA | NA | 44 | 10 |
| Kangizai             | 2008               | Cohort study    | Turkey        | 5                  | 52         | NA | NA | NA | NA | NA |
| Karavanaki           | 2009               | Retrospective   | Greece        | 24                 | 120        | NA | NA | NA | NA | NA |
| Kondonouri           | 2002               | Retrospective   | Germany and Austria | 210 | 17539 | 13.6 | 3.8 | NA | NA | NA |
| Papadopoulos         | 1990               | Retrospective   | Sweden        | 22                 | 22         | 35 | NA | 18-61 | 16 | 6 |
| Papadopoulos         | 1996               | Retrospective   | Sweden        | 15                 | 63         | 57 | NA | 26-78 | 8 | 7 |
| Pietkowska           | 2011               | Retrospective   | Poland        | 55                 | 127        | 11.31 | 3.74 | NA | 36 | 19 |
| Rencullo             | 2013               | Retrospective   | Italy         | 17                 | 98         | 52 | 7 | NA | 17 | 0 |
| Sastre-Garriga       | 2000               | Retrospective   | Spain         | 2                  | 1275       | NA | NA | 28-47 | 1 | 1 |
| Staerz               | 2011               | Retrospective   | Germany       | 75                 | 75         | 47.51 | 15.3 | NA | 49 | 26 |
| Teufel               | 2010               | Retrospective   | Germany       | 111                | 167        | NA | NA | NA | NA | NA |

Table 2. Characteristics of the included studies (NA= not available)