

Table SII. Patient baseline characteristics in included studies

| Study                         | Patients (n)       | Mean age (years)   | Sex (% M/F)  | AK lesion location (% of patients)   |
|-------------------------------|--------------------|--|--|--|
| <i>5-FU/SA</i>                |                    |  |  |  |
| Stockfleth et al. (2011) (22) | 470                | Arm 1: 71.9<br>Arm 2: 71.6<br>Arm 3: 72.3                | Arm 1: 85/15<br>Arm 2: 84.3/15.7<br>Arm 3: 84.7/15.3                           | Arm 1: Face or forehead: 49.2; scalp: 34.8; scalp and face: 16<br>Arm 2: Face or forehead: 46.5; scalp: 35.7; scalp and face: 17.8<br>Arm 3: Face or forehead: 48; scalp: 33.7; scalp and face: 18.4 |
| Stockfleth et al. (2012) (17) | 435                | NR   | NR   | NR   |
| <i>Ingenol mebutate</i>       |                    |  |  |  |
| Spencer (2010) (23)           | 265                | NR   | NR   | NR   |
| Weiss & Zibert (2013) (15)    | NR                 | NR   | NR   | NR   |
| Lebwohl et al. (2012) (18)    | 547 (head regions) | Arm 1: 64.2<br>Arm 2: 64                                 | Arm 1: 84.1/15.9<br>Arm 2: 85.9/14.1   | Arm 1: Face: 79.4; scalp: 20.6<br>Arm 2: Face: 81.5; scalp: 18.5   |
| Berman et al. (2012) (24)     | 547                | Arm 1: 64.2<br>Arm 2: 64                                 | Arm 1: 84.1/15.9<br>Arm 2: 85.9/14.1   | Arm 1: Face: 79.4; scalp: 20.6<br>Arm 2: Face: 81.5; scalp: 18.5   |
| Lebwohl et al. (2012) (25)    | 545 (head regions) | NR   | NR   | NR   |
| Lebwohl et al. (2013) (16)    | 108 (head regions) | 63.2   | 70.7/29.3  | NR   |
| Siller et al. (2009) (21)     | 58                 | Arm 1: 64.9<br>Arm 2: 64.9<br>Arm 3: 69.5<br>Arm 4: 63.8 | Arm 1: 93/7<br>Arm 2: 94/6<br>Arm 3: 93/7<br>Arm 4: 75/25                      | NR   |
| <i>Imiquimod 2.5%/3.75%</i>   |                    |  |  |  |
| Hanke et al. (2010) (19)      | 490                | Overall: 65<br>Arm 1: 66<br>Arm 2: 64.3<br>Arm 3: 63.7   | Overall: 79/21<br>Arm 1: 78/22<br>Arm 2: 75.9/24.1<br>Arm 3: 82.3/17.7         | Arm 1: Face: 70.1; scalp: 29.9<br>Arm 2: Face: 71; scalp: 29<br>Arm 3: Face: 74.4; scalp: 25.6   |
| Swanson et al. (2010) (20)    | 479                | Overall: 64<br>Arm 1: 64.3<br>Arm 2: 64.5<br>Arm 3: 64.3 | Overall: > 80/< 20<br>Arm 1: 79.4/20.6<br>Arm 2: 82.5/17.5<br>Arm 3: 81.8/18.2 | Arm 1: Face: 73.1; scalp: 26.9<br>Arm 2: Face: 75.6; scalp: 24.4<br>Arm 3: Face: 74.8; scalp: 25.2   |

AK: actinic keratosis; FU: fluorouracil; NR: not reported; SA: salicylic acid.