Table G-17. Cosmetic adverse effects in studies comparing older versus newer antiepileptic drugs

| Study, Year | Group | N | Acne (n) | Alopecia (n) | Gum Hyperplasia (n) |
| --- | --- | --- | --- | --- | --- |
| Dam, 1989 | Carbamazepine | 98 | - | 2 | - |
| Oxcarbazepine | 92 | - | 0 | - |
| Kalviainen, 1995 | Carbamazepine | 45 | - | 0 | - |
| Vigabatrin | 43 | - | 1 | - |
| Bill 1997 | Phenytoin | 142 | 3 | - | 18 |
| Oxcarbazepine | 136 | 8 | - | 2 |
| Christie, 1997 | Sodium Valproate | 121 | - | 21 | - |
| Oxcarbazepine | 128 | - | 11 | - |
| Guerreiro, 1997 | Pheyntion | 94 | - | - | 24 |
| Oxcarbazepine | 96 | - | - | 2 |
| Biton, 2001 | Valproate  | 68 | - | 7 | - |
| Lamotrigine | 65 | - | 2 | - |
| Biton, 2003 | Valproate | 20 | - | 3 | - |
| Lamotrigine | 18 | - | 0 | - |
| Privitera, 2003 | Carbamazepine | 126 | - | 2 | - |
| Valproic Acid | 78 | - | 14 | - |
| Topiramate 100 mg | 210 | - | 4 | - |
| Topiramate 200 mg | 199 | - | 2 | - |
| Fakhoury, 2004 | Carbamazepine | 46 | - | 1 | - |
| Lamotrigine | 98 | - | 3 | - |
| Valproic Acid | 53 | - | 6 | - |
| Lamotrigine | 105 | - | 1 | - |
| Wheless, 2004 | Carbamazepine | 23 | - | 1 | - |
| Valproate  | 19 | - | 2 | - |
| Topiramate 100 mg | 38 | - | 0 | - |
| Topiramate 200 mg | 39 | - | 0 | - |
| Steinhoff, 2005  | Carbamazepine | 88 | - | - | - |
| Lamotrigine | 88 | - | 4 | - |
| Valproate | 30 | - | 3 | - |
| Lamotrigine | 33 | - | 2 | - |
| Donati, 2007 | Carbamazepine | 28 | - | 1 | - |
| Valproic Acid | 29 | - | 3 | - |
| Oxcarbazepine | 55 | - | 0 | - |
| Levisohn, 2007 | Valproic Acid | 9 | - | 3 | - |
| Topirimate | 19 | - | 2 | - |
| Stephen, 2007 | Valproate | 111 | - | - | - |
| Lamotrigine | 114 | - | - | - |
| Morrell, 2008 | Valproate | 222 | - | 25 | - |
| Lamotrigine | 219 | - | 3 | - |

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| Table G-17. Cosmetic adverse effects in studies comparing older versus newer antiepileptic drugs (continued) |
| Study, Year | Group | N | Acne (n) | Alopecia (n) | Gum Hyperplasia (n) |
| Kim, 2009 | Carbamazepine | 105 | - | 1 | - |
| Topiramate | 41 | - | 0 | - |

- = not reported; acne (n) = number of patients with acne; alopecia (n) = number of patients with alopecia; gum hyperplasia (n) = number of patients with gum hyperplasia;
N = sample size