**Table 1. Boltzmann parameters of *I*Ca activation and inactivation in control (Ctrl) and in ADPN-treated (ADPN) smooth muscle cells from gastric fundus.**

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| **Parameters** | **Ctrl** | **ADPN****(2 x 10-8 M)** |
| *I*Ca,p /*C*m (pA/pF)  | 10.2 ± 1.4 | 5.1 ± 0.5\*\*\* |
| *G*m/*C*m (pS/pF) | 52.4 ± 5.1 | 32.4 ± 3.8\*\*\* |
| *V*thr (mV) | -58.2 ± 3.1 | -50.7 ± 3.3\*\* |
| *V*p (mV) | 0.1 ± 0.07 | 5.2 ± 1.3\*\*\* |
| *V*a (mV) | -29.5 ± 1.7 | -18.7 ± 1.3\*\*\* |
| *k*a (mV) | 9.6 ± 0.6 | 12.5 ± 0.8\* |
| *V*rev (mV) | 78.6 ± 6.4 | 81.4 ± 7.5 |
| *V*h (mV) | -50.9 ± 4.5 | -52.7 ± 5.4 |
| *k*h (mV) | 7.5 ± 0.5 | 7.5 ± 0.5 |
| *t*p (ms) | 22.7 ± 2 | 21.8 ± 3 |

The following equations:

$Ia(V) = Gmax (V-Vrev)/\{1 + exp[(Va-V)/ka]\}$ and $Ih(V) = I/\{1 + exp[-(Vh-V)/kh]\}$ were used to study the steady-state activation and inactivation curves. Gmax represents the maximal conductance for *I*a; *V*rev is the apparent reversal potential; *V*a and *V*h are the voltages causing the half-maximal activation and inactivation, respectively; *k*a and *k*h are the steepness factors of activation and inactivation, respectively.

Boltzmann parameters for *I*Ca evaluated by fitting the single Boltzmann function through the experimental data are listed here. The subscript ‘p’ indicates the peak value. *I*Ca,p/*C*m is the peak current amplitude normalized for cell capacitance; *G*m/*C*m is the specific maximal conductance; *V*thr is the voltage threshold; *V*p is the voltage eliciting the maximal or peak current; *V*a and *V*h are the voltages causing the half-maximal current activation and inactivation, respectively; *k*a and *k*h are the steepness factors of activation and inactivation, respectively; *V*rev is the apparent reversal potential; *t*p is the time to peak of the *I*Ca elicited by the 0- mV pulse. Differences with *P* < 0.05 were considered significant (Student’s t test): \* for *P* < 0.05, \*\* for *P*  < 0.01, \*\*\* for *P*  < 0.001. Data are from 18-20 cells (4 mice).