**پانل بیماری های کانال یونی**

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| **ردیف** | **نام بیماری** | **تعداد ژن** | **ژن های مورد بررسی** |
| 1 | Episodic Ataxia | 9 | CACNA1A, CACNB4, KCNA1, SLC1A3, SLC2A1, FGF14, KCNQ2, SCN2A, ATP1A3 |
| 2 | Neuropathic Pain Syndromes | 4 | SCN9A, SCN10A, SCN11A, TCAP1 |
| 3 | Paroxysmal Movement Disorders | 7 | PRRT2, SLC2A1, SCN8A, KCNMA1, PNKD, ADCY5, ATP1A3 |
| 4 | Malignant Huperthermia | 3 | RYR1, CACNA1S, STAC3 |
| 5 | Complete Panel- Ion Channel Diseases | 21 | ADCY5, ATP1A3, CACNA1A, CACNA1S, CACNB4, FGF14, KCNA1, KCNMA1, KCNQ2, PNKD, PRRT2, RYR1, SCN10A, SCN11A, SCN2A, SCN8A, SCN9A, SLC1A3, SLC2A1, STAC3, TRPA1 |