

**Table 2:** The percentage of RET (REarranged during Transfection) gene mutations in families with hereditary medullary thyroid carcinoma in different European populations, compared with the data obtained in the referral Center for Endocrine Surgery in Belgrade. Beside the RET gene codons shown in the table, a mutation in codon 904, detected in Serbian population, has not been detected in any of other European cohorts<sup>15-19</sup>.

| <b>Codon</b>  | <b>Czech Rep.</b> | <b>France</b> | <b>Germany</b> | <b>Greece</b> | <b>Italy</b> | <b>Spain</b> | <b>Serbia</b> |
|---------------|-------------------|---------------|----------------|---------------|--------------|--------------|---------------|
| <b>618</b>    | 0                 | 6.2 %         | 5.4 %          | 6.9 %         | 7.6 %        | 3.9 %        | 2.4 %         |
| <b>634</b>    | 45.8 %            | 47.4 %        | 35.6 %         | 32.8 %        | 26.3 %       | 65.4 %       | 66.7 %        |
| <b>790</b>    | 0                 | 4.1 %         | 12.7 %         | 0             | 4 %          | 0            | 2.4 %         |
| <b>791</b>    | 12.5 %            | 0             | 6.8 %          | 0             | 1            | 12.5         | 7.1 %         |
| <b>804</b>    | 12.5 %            | 15.5 %        | 9.3 %          | 5.2 %         | 26.3 %       | 0            | 19 %          |
| <b>Number</b> | 24                | 97            | 205            | 58            | 198          | 26           | 42            |