

**Appendix S2.**

**SUPPLEMENTARY RESULTS**

*Detailed evaluation of the AutoCM analysis*

It is notable that the so-called "diamond" describing the higher rank of interrelationships between items developed entirely within endotype IV, with both its economic and clinical centres in "no costs of radiotherapy", "no costs of instrumental investigations", "no costs of medical therapies", "no costs of chemotherapies", "no costs of scintigraphy", "no costs of microbiological tests" and "no metastases", "no mitoses", "TNM Ia", "Breslow I", "non-specific site", and "superficial spreading".