

## Supplemental Table S2: C-Findings = Indication of impaired organ function due to MC infiltration defining a SM as an aggressive SM

Cytopenia(s): absolute neutrophil count < 1000/ $\mu$ L or hemoglobin < 10 g/dL or thrombocytes < 100,000/ $\mu$ L
Hepatomegaly with ascites and impaired liver function
Palpable splenomegaly with hypersplenism
Malabsorption with hypoalbuminemia and weight loss
Skeletal lesions: osteolyses or/and severe osteoporosis causing pathologic fractures
Life-threatening organopathy in other organ systems that is definitively caused by an infiltration of the tissue by neoplastic MCs

Based on e.g., Valent P. Systemic mastocytosis. Cancer Treat Res 2008;142:399-419.