touchPANEL DISCUSSION

## Multidisciplinary insights: Navigating the challenges of systemic mastocytosis diagnosis and management



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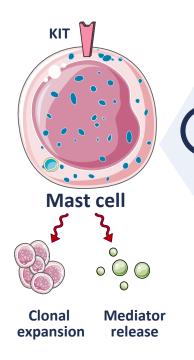
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## How is systemic mastocytosis diagnosed? Exploring the current patient journey



## Systemic mastocytosis is a heterogeneous disease



Neoplastic clonal proliferation of abnormal MCs in extracutaneous organs<sup>1</sup>

Clinical presentation ranges from indolent to aggressive disease<sup>1</sup>

Genetic and molecular abnormalities associated with SM subtypes<sup>1,2</sup>

Activating *KIT* mutations found in a majority of SM cases in adults, regardless of subtype<sup>1</sup>

ICC/WHO criteria used to distinguish SM from other MC disorders<sup>1</sup>



#### Main symptoms:<sup>2,3</sup>

- Flushing, pruritis
- Bone and muscle pain (osteopenia/osteoporosis)

UP skin lesions<sup>5</sup>



Monomorphic



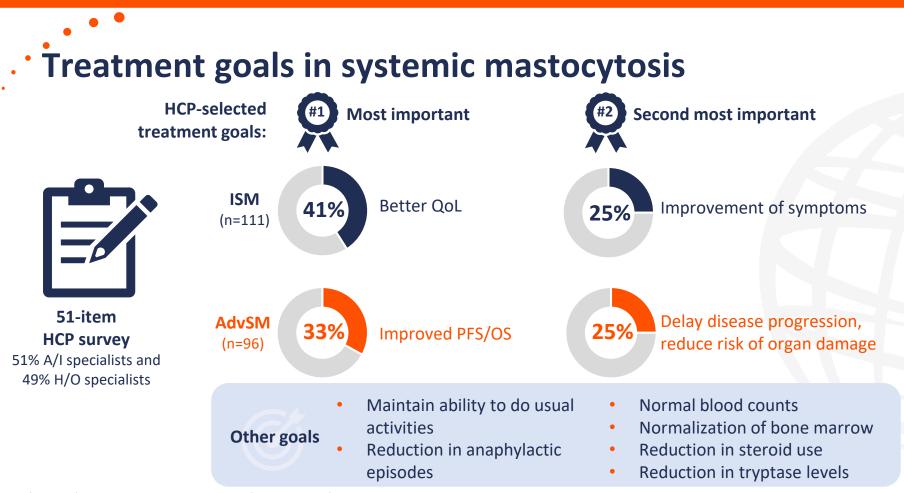
Polymorphic



Medical images reproduced with permission from Figure 1 in Broesby-Olsen S in EAACI Global Atlas of Skin Allergy. Copyright EAACI 2019.<sup>5</sup> Mast cell images, receptors and mediators: Servier Medical Art is licensed under CC BY 4.0. See https://creativecommons.org/licenses/by/4.0/. GI, gastrointestinal; ICC, International Consensus Classification; MC, mast cell; SM, systemic mastocytosis; UP, urticaria pigmentosa; WHO, World Health Organization. 1. Pardanani A. Am J Hematol. 2023;98:1097–116; 2. Lee HJ, et al. Blood Res. 2023;58:S96–108; 3. van der Weide HY, et al. Crit Care. 2015;19:238; 4. Hartmann K. et al. J Alleray Clin Immunol. 2016:137:35–45: 5. Broesby-Olsen S. Available at https://www.eaaci.org/images/Atlas/Global Atlas IV v1.pdf (accessed 28 June 2024).

# What are the current treatment options for systemic mastocytosis?



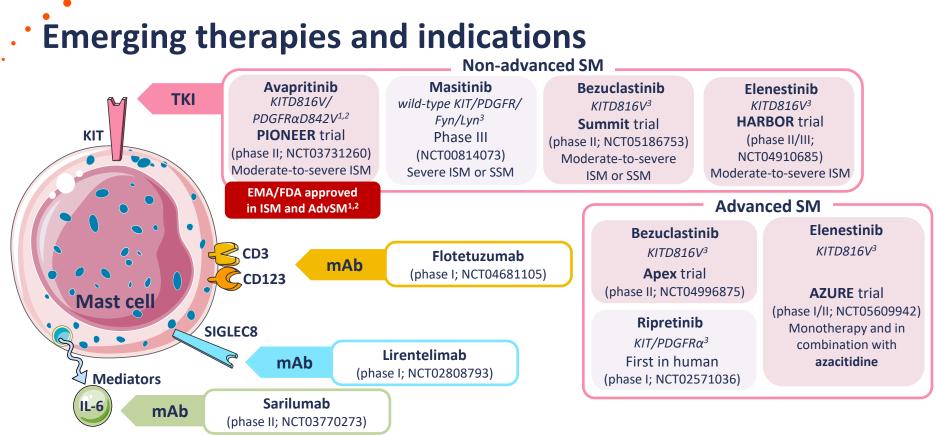


A/I, allergist/immunologist; AdvSM, advanced SM; H/O, haematologist/oncologist; HCP, healthcare professional; ISM, indolent SM; OS, overall survival; PFS, progression-free survival; QoL, quality of life; SM, systemic mastocytosis. Mesa RA, et al. *Cancer*. 2022;128:3700–8.



## What does the future hold? Novel and emerging treatment strategies for systemic mastocytosis





Mast cell images, receptors and mediators: Servier Medical Art is licensed under CC BY 4.0. See https://creativecommons.org/licenses/by/4.0/.

AdvSM, advanced SM; ISM, indolent SM; mAb, monoclonal antibody; SM, systemic mastocytosis; SSM, smoldering SM; TKI, tyrosine kinase inhibitor.

1. EMA. Avapritinib SmPC. Available at: https://bit.ly/3KoCCJb (accessed 24 May 2024); 2. FDA. Avapritinib PI. Available at:

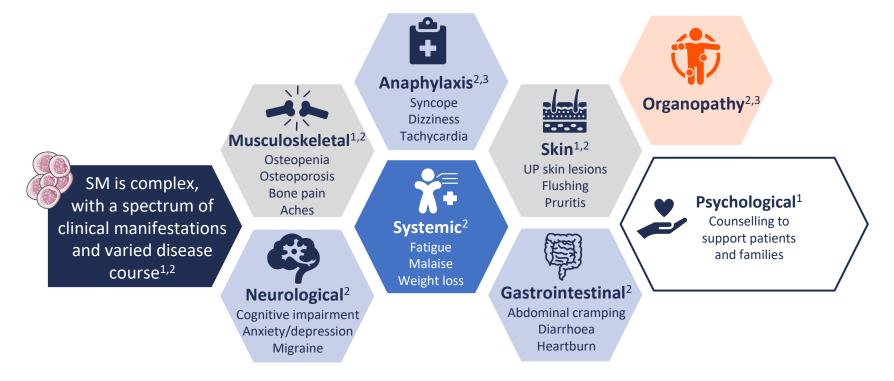
www.accessdata.fda.gov/drugsatfda\_docs/label/2023/212608s013lbl.pdf (accessed 24 May 2024); 3. Sciumè M, et al. *Pharmaceuticals (Basel)*. 2022;15:738. Trial information searchable by NCT number at www.clinicaltrials.gov (accessed 13 May 2024).



## Can we do more for our patients? Multidisciplinary management approaches



## MDT management needs in systemic mastocytosis



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MDT, multidisciplinary team; SM, systemic mastocytosis; UP, urticaria pigmentosa.

1. Zanotti R, et al. *Mediterr J Hematol Infect Dis.* 2021;13:e2021068; 2. Veitch S, Radia DH. *Hematology Am Soc Hematol Educ Program.* 2023;2023:396–406; 3. Lee HJ, et al. *Blood Res.* 2023;58:S96–108.

