

# The role of *inflammation* in **obesity**

## Adipose tissue is **dysregulated** in people with **obesity**

This is illustrated by **hypertrophy** (increased size) and **hyperplasia** (increased number) of adipocytes, the body's main energy-storing cells<sup>1,2</sup>

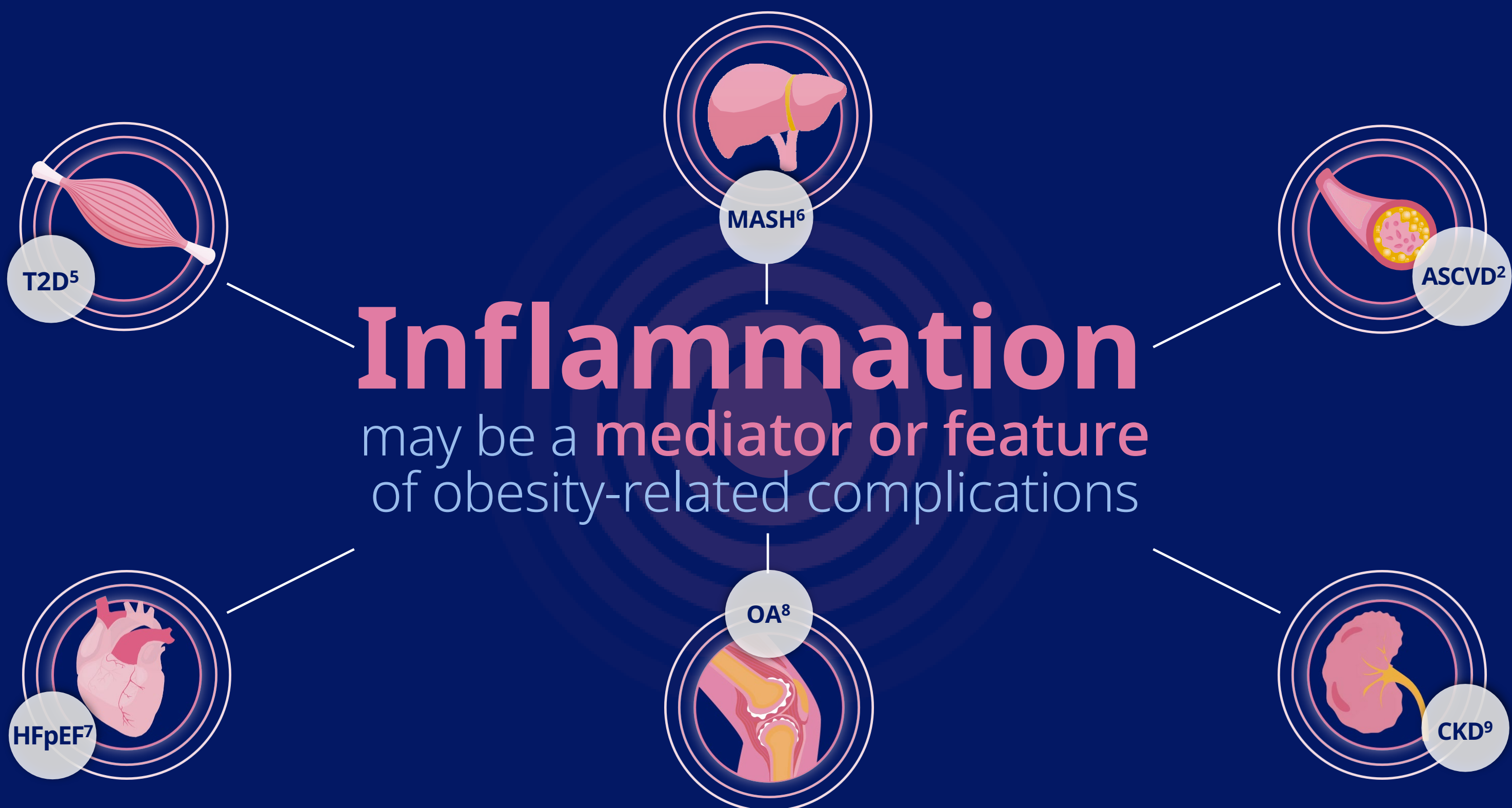
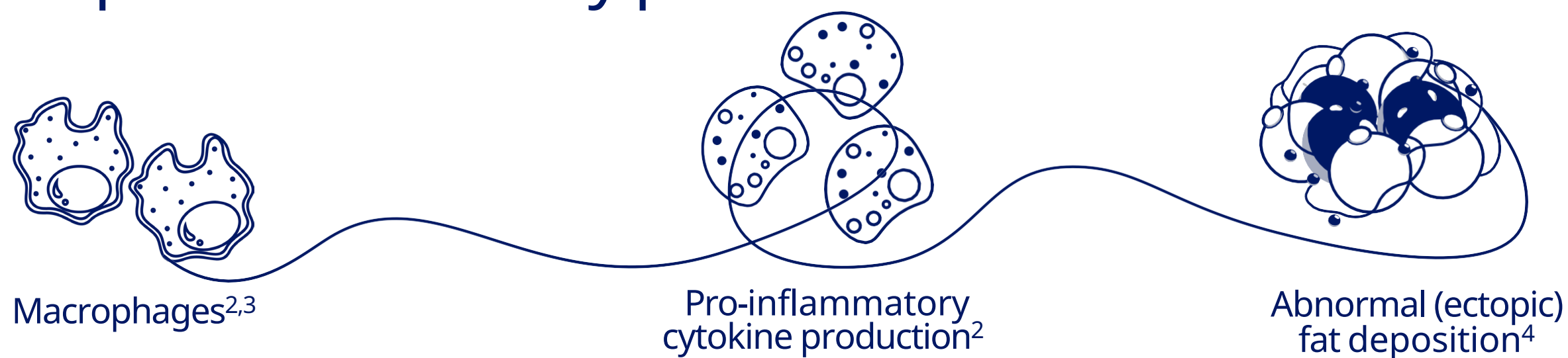
**Hypertrophy** + Size



**Hyperplasia** + Number



**Dysregulated** adipose tissue may lead to pro-inflammatory processes and **activation** of:



1. Arner P, Rydén M. J Intern Med 2022;291(5):611-621; 2. Sandoval-Bórquez A et al. J Endocr Soc. 2024;8(8):bvae126; 3. Savulescu-Fiedler I, et al. Life (Basel). 2024;14(7):856; 4. Després JP, Lemieux I. Nature. 2006;444(7121):881-7; 5. Yao L, et al. J Immunol Res. 2014;2014:181450; 6. Francisco V, et al. Biology (Basel). 2022 Aug 19;11(8):1237; 7. Murphy SP, et al. J Am Coll Cardiol. 2020;75(11):1324-1340; 8. Wluka AE, et al. Nat Rev Rheumatol. 2013;9(4):225-35; 9. Guan Y, et al. J Leukoc Biol. 2024;115(5):819-839.