

Cellular dysfunction is a commonplace sequel of sepsis and other systemic inflammatory conditions. Impaired energy production (related to mitochondrial inhibition, damage, and reduced protein turnover) appears to be a core mechanism underlying the development of organ dysfunction.

Aging is accompanied by **functional loss** of many cellular **pathways**, creating an increased risk of many **aging complications** (ARC). Aging causes **stem cell exhaustion** with a concomitant increase in **cellular dysfunction**.

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