

Formation of fat droplets

1. Deposits of tiny fat droplets
Formation of small fat droplets
= **small-droplet liver steatosis**



2. Increase in size of fat droplets
= **medium-droplet liver steatosis**



3. Further increase in size of fat droplets
Confluence of fat droplets
Impairment of nuclear functions
= **large-droplet liver steatosis**



= mixed-droplet liver steatosis
= **formation of fat cysts**

Localization of liver steatosis

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|------------------------|-------------------|
| 1. peripheral | 3. zonal |
| 2. centroacinar | 4. diffuse |

Liver steatosis

1. *Low-grade liver steatosis*
= ca. 5% of WW
= 10–15% of hepatocytes
2. *Medium-grade liver steatosis*
= 6–8% of WW
= 15–30% of hepatocytes
3. *Pronounced liver steatosis*
= 8–9% of WW
= 30–50% of hepatocytes

Fatty liver

4. *Severe fatty changes in liver cells*
= 10–12% of WW
= > 50% of hepatocytes
(medium-sized and large droplets, diffuse)
5. *High-grade fatty changes in liver cells*
= 12–17% of WW (300–500 mg/g)
= > 70% of hepatocytes