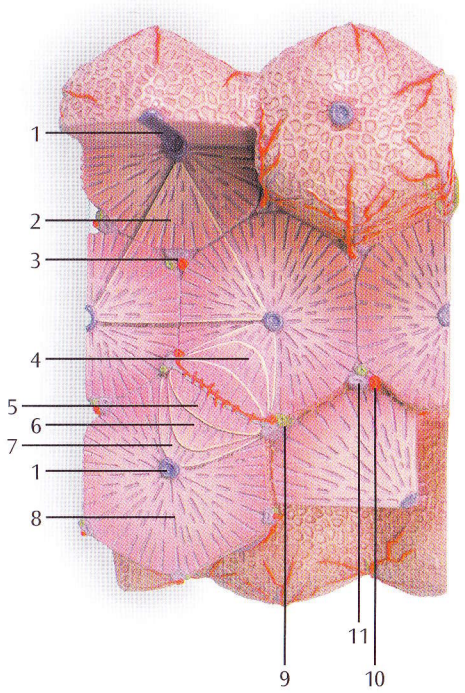
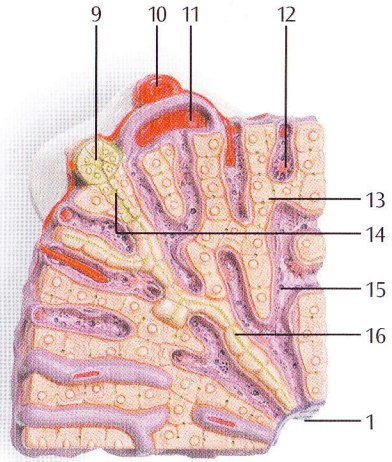
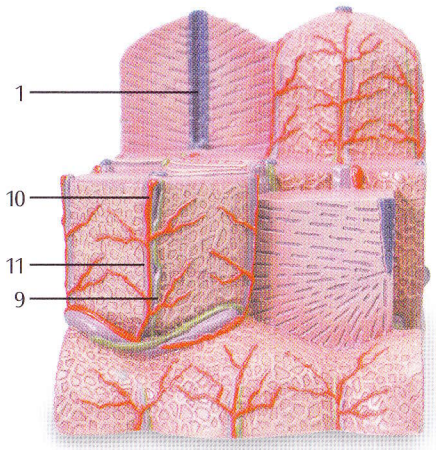
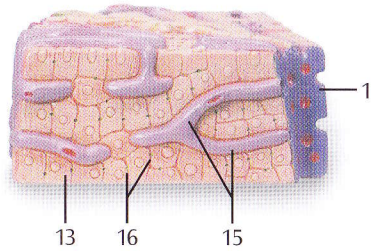
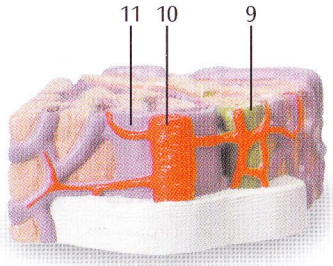
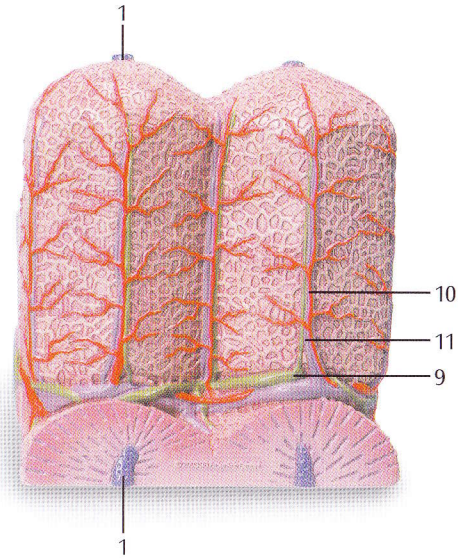

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3B MICRO*anatomy*™ 肝臓

日本語

この2パーツのモデルは肝臓の断面を拡大して立体的に示しおり、肝臓の機能的単位／構造的単位を2つの異なった倍率でみることができます。
左側のモデルは複数の小葉の断面を示しており、重要な構造的／機能的単位を観察できます。中心静脈（1）を中心とする六角柱を肝小葉といい，構造的単位となります。一方，小葉間動脈（10），小葉間静脈（11），小葉間胆管（9）の三管，すなわち肝の三つ組（またはグリソンの三つ組）を内包する門脈域（3）を中心として，隣接する３つの中心静脈を頂点として結んだ三角の領域を門脈小葉（2）と呼び，機能的単位となります。また，もう一つの機能的単位として肝細葉（4）があります。これは隣接する二つの門脈域を結んだ線を底辺とし，それぞれの両側の肝小葉の中心静脈を頂点とした二つの三角形をつなぎ合わせた菱形の領域となります。肝細葉の中は栄養と酸素濃度の差により，さらに3つの領域（5~7）に区分できます。
右側のモデルは左側のモデルの拡大断面を示しています。

1 中心静脈
2 門脈小葉
3 門脈域
4 肝細葉
5 細葉第1領域
6 細葉第2領域
7 細葉第3領域
8 肝小葉
9 小葉間胆管
10 小葉間動脈
11 小葉間静脈
12 クッパー細胞
13 肝細胞
14 ヘリング管
15 肝洞様毛細血管
16 毛細胆管

3B MICRO*anatomy*™ Liver

English

This 2-part model shows a highly magnified diagrammatic view of a section of the liver. It illustrates the structure of the functional and structural components of the liver in two different enlargements. The left part of the model shows a section of the liver that comprises several liver lobules. The important morphological and functional regions are depicted on various levels: The central vein is at the center of the classic liver lobule. Located at the center of the portal liver lobule is the portal canal with the interlobular artery and vein and an interlobular bile duct (hepatic triad, Glisson's triad). The liver acinus consists of three zones and its axis is defined by one side branch each of the interlobular artery and of the interlobular vein.The right part of the model is a highly magnified view of the sectioned liver lobule on the left.

1 Central vein
2 Portal liver lobule
3 Portal canal
4 Liver acinus
5 Zone 1
6 Zone 2
7 Zone 3
8 Classic liver lobule
9 Interlobular bile duct
10 Interlobular artery
11 Interlobular vein
12 Cell of Kupffer
13 Hepatocyte
14 Terminal bile duct (Herring's canal)
15 Liver sinusoids
16 Bile canaliculi

3B MICRO*anatomy*™ Liver

English

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