**Supplementary material 1: Search strategy**

1. ((liver\* or hepat\*) adj3 (transplan\* or graft\*)).tw. or exp Liver Transplantation/

2. ((liver\* or hepat\*) adj3 (donor\* or donat\*)).tw.

3. (outcome\* or survival or death or complication\* or experience\* or morbidit\* or live or safe\*).tw.

4. 1 and 2 and 3

5. (meta or systematic review or case report\* or case series).tw.

6. 4 not 5

**Supplementary material 2: Summary of included studies**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Author | Year | Country | Follow-up (years) | Sample size | Mean age (years) | Gender  (male) | Risk of Bias |
| Chen et al1 | 2000 | Taiwan | 2.0 | 30 | 32.7 | - | 7 |
| Marcos et al2 | 2000 | USA | 0.7 | 40 | 37.5 | - | 7 |
| Grewal et al3 | 2001 | USA | 0.8 | 11 | 36.5 | 0.5 | 8 |
| Sauer et al4 | 2001 | Germany | 0.3 | 22 | 39.0 | - | 8 |
| Beavers et al5 | 2001 | USA | 1.7 | 27 | 35.0 | 0.3 | 7 |
| Bak et al6 | 2001 | USA | 0.8 | 41 | 30.8 | 0.6 | 8 |
| Trotter et al7 | 2001 | USA | 1.1 | 100 | 33.2 | 0.6 | 8 |
| Liu et al8 | 2002 | China | 1.5 | 16 | 37.8 | - | 8 |
| Diaz et al9 | 2002 | USA | 3.2 | 28 | 34.8 | 0.4 | 8 |
| Suh et al10 | 2002 | Korea | 2.1 | 100 | 29.5 | 0.0 | 9 |
| Akamatsu et al11 | 2002 | Japan | 3.0 | 115 | 37.0 | 0.5 | 7 |
| Sugawara et al12 | 2002 | Japan | 0.1 | 130 | 38.7 | - | 9 |
| Basaran et al13 | 2003 | Turkey | 5.3 | 15 | 38.4 | 0.4 | 8 |
| Kwon et al14 | 2003 | Korea | 0.1 | 41 | 27.8 | 0.8 | 9 |
| Pomfret et al15 | 2003 | USA | 0.8 | 51 | 36.0 | 0.6 | 8 |
| Lo et al16 | 2003 | China | 3.3 | 54 | 37.6 | 0.4 | 8 |
| Malago et al17 | 2003 | Germany | 1.0 | 74 | 36.5 | - | 8 |
| Fan et al18 | 2003 | China | 2.4 | 93 | - | - | 9 |
| Ito et al19 | 2003 | Japan | 2.6 | 200 | 43.3 | 0.5 | 9 |
| Walter et al20 | 2003 | Germany | 0.5 | 28 | - | - | 7 |
| Schumann et al21 | 2004 | USA | 0.0 | 8 | - | - | 7 |
| Parolin et al22 | 2004 | Brazil | 1.8 | 19 | 33.9 | 0.7 | 7 |
| Cattral et al23 | 2004 | Canada | 1.8 | 56 | 38.5 | 0.7 | 7 |
| Salvalaggio et al24 | 2004 | USA | 2.7 | 80 | 34.0 | 0.6 | 9 |
| Lo et al25 | 2004 | China | 2.5 | 100 | 36.9 | 0.4 | 10 |
| Broering et al26 | 2004 | Germany | 5.8 | 165 | 35.3 | 0.5 | 9 |
| Lee et al27 | 2004 | Korea | 0.1 | 386 | 30.6 | 0.8 | 8 |
| Yokoi et al28 | 2005 | Japan | 1.0 | 27 | 39.0 | 0.5 | 7 |
| Chan et al29 | 2005 | China | 4.3 | 29 | 37.0 | 0.4 | 8 |
| Dazzi et al30 | 2005 | Italy | 2.2 | 36 | 34.0 | 0.5 | 8 |
| Verbesey et al31 | 2005 | USA | 0.3 | 47 | 34.2 | 0.6 | 9 |
| Humar et al32 | 2005 | USA | 3.2 | 49 | 35.0 | 0.5 | 8 |
| Esmat et al33 | 2005 | Egypt | 0.5 | 50 | 29.2 | 0.7 | 7 |
| Moss et al34 | 2005 | USA | 2.1 | 68 | 38.4 | 0.5 | 9 |
| Liu et al35 | 2005 | China | 2.6 | 100 | 36.5 | 0.6 | 9 |
| Shah et al36 | 2005 | Toronto | 2.0 | 101 | 37.7 | 0.6 | 9 |
| Ibrahim et al37 | 2005 | Taiwan | 0.5 | 108 | 32.3 | 0.4 | 8 |
| Chan et al38 | 2006 | China | 1.0 | 30 | 36.8 | 0.4 | 8 |
| Hsu et al39 | 2006 | Taiwan | 3.0 | 35 | 34.0 | 0.4 | 7 |
| Testa et al40 | 2006 | USA | 2.0 | 40 | 34.0 | 0.6 | 9 |
| Itamoto et al41 | 2006 | Japan | 2.3 | 52 | 34.3 | 0.6 | 8 |
| Cho et al42 | 2006 | Korea | 1.0 | 54 | 30.9 | 0.7 | 7 |
| Erim et al43 | 2006 | Germany | 0.7 | 84 | 37.5 | 0.5 | 9 |
| Dondero et al44 | 2006 | France | 1.0 | 112 | 36.4 | 0.5 | 9 |
| Takatsuki et al45 | 2006 | Taiwan | 6.5 | 132 | - | - | 7 |
| Ibrahim et al46 | 2006 | Taiwan | 3.0 | 205 | 32.5 | 0.4 | 7 |
| Kim et al47 | 2006 | Korea | 0.5 | 206 | - | - | 7 |
| Hwang et al48 | 2006 | Korea | 1.0 | 1162 | 32.0 | 0.7 | 7 |
| Jiang et al49 | 2007 | China | 0.8 | 26 | 40.0 | 0.3 | 8 |
| Khalaf et al50 | 2007 | Saudi Arabia | 1.7 | 44 | 27.5 | 0.8 | 8 |
| Sevmis et al51 | 2007 | Turkey | 1.1 | 49 | 36.6 | 0.6 | 8 |
| Li et al52 | 2007 | China | 0.5 | 52 | 28.2 | 0.6 | 9 |
| Polido Jr et al53 | 2007 | Singapore | 0.8 | 65 | 31.6 | 0.8 | 7 |
| Yi et al54 | 2007 | Korea | 1.8 | 83 | 30.8 | 0.7 | 10 |
| Erim et al55 | 2007 | Germany | 0.3 | 123 | - | - | 7 |
| Shah et al56 | 2007 | Canada | 2.4 | 130 | 37.4 | 0.6 | 7 |
| Akamatsu et al57 | 2007 | Japan | 4.6 | 299 | 37.8 | 0.6 | 8 |
| Morioka et al58 | 2007 | Japan | 5.2 | 335 | 43.3 | 0.6 | 7 |
| Trotter et al59 | 2007 | USA | 1.7 | 392 | - | - | 7 |
| Jiang et al60 | 2008 | China | 2.7 | 29 | 38.8 | 0.3 | 8 |
| Taner et al61 | 2008 | Turkey | 1.3 | 81 | 38.5 | 0.5 | 7 |
| Ozkardeslera et al62 | 2008 | Turkey | 0.0 | 113 | 32.4 | 0.6 | 7 |
| Ghobrial et al63 | 2008 | USA | 1.7 | 405 | 37.0 | 0.6 | 9 |
| Kim et al64 | 2009 | Korea | 0.5 | 46 | 34.9 | 0.6 | 9 |
| Nikeghbalian et al65 | 2009 | Iran | 1.4 | 50 | 32.1 | 0.4 | 7 |
| Kim et al66 | 2009 | Korea | 2.8 | 51 | 30.4 | 0.6 | 9 |
| Dayangac et al67 | 2009 | Turkey | 2.1 | 100 | 38.4 | 0.5 | 9 |
| Liu et al68 | 2009 | China | 2.0 | 160 | - | 0.5 | 8 |
| Karakayali et al69 | 2009 | Turkey | 1.0 | 203 | 34.5 | 0.6 | 8 |
| El-Meteini et al70 | 2009 | Egypt | 3.8 | 207 | 28.4 | 0.8 | 8 |
| Saidi et al71 | 2010 | USA | 4.0 | 30 | 36.0 | 0.8 | 9 |
| Gökçe et al72 | 2010 | Turkey | 3.0 | 32 | 31.8 | 0.4 | 9 |
| Park et al73 | 2010 | Korea | 3.7 | 45 | 30.8 | 0.4 | 7 |
| Steinbruck et al74 | 2010 | Brazil | 3.9 | 126 | 31.8 | 0.5 | 7 |
| Adcock et al75 | 2010 | Canada | 2.8 | 202 | 37.3 | 0.5 | 9 |
| Iida et al76 | 2010 | Japan | 4.1 | 1262 | 39.0 | 0.5 | 7 |
| Søndenaa et al77 | 2011 | USA | 1.0 | 12 | 33.4 | 0.8 | 7 |
| Togashi et al78 | 2011 | Japan | 1.5 | 35 | 45.3 | 0.6 | 10 |
| Kim et al79 | 2011 | Korea | 1.8 | 42 | 33.4 | 0.9 | 7 |
| Sotiropoulos et al80 | 2011 | Germany | 6.5 | 83 | 39.5 | 0.5 | 9 |
| Azoulay et al81 | 2011 | France | 6.4 | 91 | 39.0 | 0.3 | 7 |
| Yuan et al82 | 2011 | China | 2.8 | 132 | 36.1 | 0.5 | 7 |
| Reichman et al83 | 2011 | Canada | 4.7 | 135 | 34.7 | 0.3 | 8 |
| Cipe et al84 | 2011 | Turkey | 1.5 | 140 | 31.0 | 0.6 | 9 |
| Dayangac et al85 | 2011 | Turkey | 3.4 | 150 | 38.1 | 0.5 | 9 |
| Yaprak et al86 | 2011 | Turkey | 2.8 | 181 | 38.0 | 0.6 | 10 |
| Yuan et al87 | 2012 | China | 2.4 | 23 | 37.7 | 0.7 | 9 |
| Toyoki et al88 | 2012 | Japan | 7.1 | 27 | 42.5 | 1.1 | 7 |
| Narumi et al89 | 2012 | Japan | 6.5 | 31 | 40.3 | 0.5 | 10 |
| Kim et al90 | 2012 | Korea | 2.3 | 45 | 29.9 | 0.6 | 9 |
| Salah et al91 | 2012 | Egypt | 3.1 | 100 | 27.6 | 0.7 | 10 |
| Taketomi et al92 | 2012 | Japan | 3.6 | 128 | 33.7 | 0.7 | 9 |
| Li et al93 | 2012 | China | 3.8 | 129 | 36.4 | 0.6 | 10 |
| Kim et al94 | 2012 | Korea | 3.1 | 148 | 31.3 | 0.7 | 9 |
| Shin et al95 | 2012 | Korea | 0.1 | 186 | 31.4 | - | 7 |
| Kim et al96 | 2012 | Korea | 2.9 | 196 | 32.1 | 0.6 | 9 |
| Ozgor et al97 | 2012 | Turkey | 2.5 | 500 | 32.1 | 0.6 | 8 |
| Kim et al98 | 2012 | Korea | 5.0 | 500 | 36.3 | 0.7 | 10 |
| Takada et al99 | 2012 | Japan | 6.8 | 578 | 38.8 | 0.5 | 8 |
| Abecassis et al100 | 2012 | USA | 4.3 | 760 | 37.5 | 0.5 | 9 |
| Muzaale et al101 | 2012 | USA | 7.6 | 4111 | - | 0.5 | 7 |
| Rao et al102 | 2013 | India | 0.8 | 34 | 44.4 | 0.2 | 10 |
| Klink et al103 | 2013 | Switzerland | 1.9 | 47 | 36.8 | 0.6 | 10 |
| Zhang et al104 | 2013 | China | 1.3 | 50 | 37.3 | 0.5 | 8 |
| Usta et al105 | 2013 | Turkey | 2.5 | 60 | 31.7 | 0.5 | 7 |
| Lauterio et al106 | 2013 | Italy | 5.3 | 80 | 40.2 | 0.5 | 7 |
| Han et al107 | 2013 | Korea | 0.3 | 92 | 30.2 | 0.8 | 8 |
| Marubashi et al108 | 2013 | Japan | 1.2 | 110 | 37.2 | 0.6 | 9 |
| Lei et al109 | 2013 | China | 3.8 | 300 | 35.5 | 0.6 | 10 |
| Kim et al110 | 2013 | Korea | 3.8 | 300 | 34.0 | 0.6 | 9 |
| Kim et al111 | 2013 | Korea | 0.5 | 382 | - | - | 8 |
| Kroencke et al112 | 2014 | Germany | 2.0 | 67 | 37.9 | 0.5 | 9 |
| Chang et al113 | 2014 | Taiwan | 3.0 | 110 | 29.1 | 0.6 | 7 |
| Lei et al114 | 2014 | China | 3.0 | 231 | 35.2 | 0.6 | 8 |
| Ozsoy et al115 | 2014 | Turkey | 1.0 | 272 | 29.1 | 0.6 | 8 |
| Cherian et al116 | 2015 | India | 4.0 | 64 | 31.5 | 0.5 | 8 |
| Karna et al117 | 2015 | India | 0.0 | 100 | 31.0 | 0.4 | 8 |
| Kim et al118 | 2015 | South Korea | 3.0 | 128 | 46.8 | 0.7 | 8 |
| Kimura et al119 | 2015 | Japan | 5.4 | 142 | 36.6 | 0.5 | 7 |
| Pamecha et al120 | 2015 | India | 1.8 | 160 | 32.5 | 0.4 | 9 |
| Guler et al121 | 2015 | Turkey | 2.5 | 378 | 34.8 | 0.6 | 9 |
| Suh et al122 | 2015 | Korea | 2.7 | 429 | 32.1 | 0.7 | 7 |
| Dirican et al123 | 2015 | Turkey | 0.9 | 593 | 31.7 | 0.6 | 8 |
| Suh et al124 | 2015 | Korea | 6.4 | 886 | 24.9 | 0.7 | 8 |
| Shen et al125 | 2016 | Taiwan | 1.0 | 31 | 34.3 | 0.5 | 8 |
| Tokodai et al126 | 2016 | Japan | 10.0 | 56 | 36.6 | 0.5 | 7 |
| Singh et al127 | 2016 | USA | 3.0 | 58 | 34.3 | 0.4 | 9 |
| Murad et al128 | 2016 | USA | 5.9 | 68 | 38.5 | 0.5 | 7 |
| Duclos et al129 | 2016 | France | 1.0 | 91 | 39.0 | 0.7 | 9 |
| Humphreville et al130 | 2016 | USA | 7.7 | 127 | - | 0.4 | 9 |
| Wang et al131 | 2016 | Taiwan | 2.0 | 204 | 29.8 | 0.5 | 8 |
| Narasimhan et al132 | 2016 | India | 1.0 | 275 | 32.0 | 0.5 | 8 |
| Meng et al133 | 2016 | China | 6.0 | 356 | 36.0 | 0.6 | 9 |
| Dew et al134 | 2016 | USA, Canada | 5.8 | 517 | - | 0.5 | 9 |
| Wang et al135 | 2017 | Taiwan | 0.3 | 60 | 30.1 | 0.5 | 9 |
| Kamei et al136 | 2017 | Japan | 6.7 | 154 | - | - | 8 |
| Kim et al137 | 2017 | Korea | 4.9 | 243 | 37.6 | 0.6 | 10 |
| Lauterio et al138 | 2017 | Italy | 8.3 | 246 | 36.5 | 0.5 | 9 |
| Ozbilgin et al139 | 2017 | Turkey | 3.8 | 260 | 31.2 | 0.7 | 7 |
| Butt et al140 | 2017 | USA, Canada | 2.0 | 271 | 36.8 | 42.8 | 10 |
| Oh et al141 | 2017 | Korea | 0.6 | 336 | 37.6 | 0.6 | 9 |
| Shaji Mathew et al142 | 2017 | India | 3.4 | 452 | 38.6 | 0.3 | 8 |
| Knaak et al143 | 2017 | Canada | 6.2 | 469 | 37.0 | 0.5 | 10 |
| Kim et al144 | 2017 | Korea | 3.6 | 471 | 49.2 | 0.7 | 9 |
| Kim et al145 | 2017 | Korea | 4.9 | 540 | 35.2 | 0.4 | 8 |
| Lee et al146 | 2017 | Korea | 1.7 | 832 | 31.4 | 0.7 | 7 |
| Sanchez-Cabus et al147 | 2018 | Italy | 3.0 | 46 | 39.3 | - | 10 |
| Kobayashi et al148 | 2018 | Japan | 6.9 | 51 | 42.7 | 0.6 | 7 |
| Su et al149 | 2018 | China | 2.7 | 91 | 30.5 | - | 7 |
| Kim et al150 | 2018 | Korea | 4.2 | 96 | 29.8 | - | 9 |
| Gautier et al151 | 2018 | Russia | 0.9 | 103 | - | 0.2 | 7 |
| Benzing et al152 | 2018 | Germany | 1.0 | 104 | 49.8 | - | 8 |
| Berglund et al153 | 2018 | USA | 4.8 | 176 | 36.2 | 0.5 | 8 |
| Woo et al154 | 2018 | Korea | 11.1 | 337 | 34.5 | 0.7 | 8 |
| Dew et al155 | 2018 | USA | 2.0 | 424 | - | 0.5 | 8 |
| Gorgen et al156 | 2018 | Canada | 3.4 | 587 | 36.6 | 0.5 | 9 |
| Onur et al157 | 2018 | Turkey | 3.0 | 1140 | - | - | 8 |
| Hong et al158 | 2019 | South Korea | 1.5 | 26 | 38.9 | 0.9 | 9 |
| El-Meteini et al159 | 2019 | Egypt | 0.3 | 33 | 30.3 | 0.7 | 8 |
| Tan et al160 | 2019 | Singapore | 3.0 | 50 | 38.3 | - | 7 |
| lesari et al161 | 2019 | Italy | 8.1 | 64 | 36.2 | 0.5 | 7 |
| Janik et al162 | 2019 | Poland | 6.2 | 101 | 36.8 | - | 9 |
| LaPointe Rudow et al163 | 2019 | USA | 6.0 | 220 | 41.0 | 0.4 | 10 |
| Park et al164 | 2019 | Korea | 0.3 | 288 | 30.4 | 0.6 | 7 |
| Kim et al165 | 2019 | Korea | 0.3 | 457 | 33.7 | 0.6 | 9 |
| Hong et al166 | 2019 | Korea | 6.8 | 10116 | 30.7 | 0.7 | 7 |
| Hsieh et al167 | 2020 | Taiwan | 1.0 | 58 | 31.2 | 0.5 | 10 |
| Kim et al168 | 2020 | Korea | 6.1 | 175 | 29.5 | - | 9 |
| Shorbagy et al169 | 2020 | Egypt | 0.5 | 178 | 27.2 | 0.7 | 8 |
| Shizuku et al170 | 2020 | Japan | 6.6 | 254 | 38.3 | - | 9 |
| Takagi et al171 | 2020 | Japan | 7.3 | 408 | 39.3 | 0.5 | 8 |
| Zuckerman et al172 | 2020 | Canada | 3.2 | 604 | 36.5 | 0.5 | 10 |
| Bhangui et al173 | 2020 | India | 2.5 | 623 | 34.3 | 0.5 | 9 |
| Raza et al174 | 2021 | USA | 1.6 | 30 | 38.9 | 0.3 | 7 |
| Sinha et al175 | 2021 | India | 5.0 | 52 | 31.4 | 0.4 | 7 |
| Kisaoglu et al176 | 2021 | Turkey | 2.0 | 139 | 31.0 | 0.6 | 8 |
| Qi et al177 | 2021 | USA | 0.3 | 143 | 38.0 | 0.4 | 9 |
| Shi et al178 | 2021 | China | 2.4 | 382 | 32.1 | 0.4 | 10 |
| Rhu et al179 | 2021 | Korea | 2.7 | 443 | 33.0 | 0.6 | 9 |
| Hernandez-Alejandro et al180 | 2022 | Multinational | 5.0 | 10 | 39.5 | 0.7 | 10 |
| Obed et al181 | 2022 | Jordan | 1.7 | 17 | 34.8 | 0.8 | 9 |
| Fang et al182 | 2022 | Japan | 5.0 | 80 | 40.6 | 0.5 | 7 |
| Sarigol Ordin et al183 | 2022 | Turkey | 3.2 | 110 | 34.3 | 0.5 | 9 |
| Rho et al184 | 2022 | Korea | 1.0 | 232 | 32.8 | 0.6 | 9 |
| Soubrane et al185 | 2022 | Multinational | 0.3 | 412 | 37.0 | 0.5 | 9 |
| Lee et al186 | 2022 | Korea | 3.9 | 656 | 32.0 | 0.6 | 9 |
| Choi et al187 | 2022 | Korea | 7.9 | 136081 | - | 0.6 | 10 |

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**Supplementary Table 3: Complication in donors after LDLT subgroup by type of operation**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | No. of studies | Sample size | Incidence (%) | LCI | UCI | I2 |
| **Right Lobe** | | | | | | |
| Total complication | 100 | 17966 | 26.6 | 22.7 | 31.0 | 95.0% |
| **Clavien-Dindo classification** | |  |  |  |  |  |  |
| Grade I | 52 | 10046 | 11.3 | 8.8 | 14.5 | 91.6% |
| Grade II | 48 | 9848 | 5.1 | 3.4 | 7.5 | 89.1% |
| Grade III | 53 | 10527 | 5.9 | 4.3 | 7.9 | 85.8% |
| Grade IIIa | 42 | 8631 | 3.3 | 2.2 | 4.8 | 83.5% |
| Grade IIIb | 41 | 8322 | 1.9 | 1.3 | 2.7 | 70.7% |
| Grade IV | 38 | 8417 | 0.2 | 0.1 | 0.5 | 3.2% |
| Minor: I - II | 59 | 10681 | 19.4 | 15.5 | 23.9 | 94.2% |
| Major: III - V | 60 | 11839 | 6.6 | 5.1 | 8.5 | 85.8% |
| **General** |  |  |  |  |  |  |
| Bleeding | 36 | 7954 | 1.9 | 1.5 | 2.5 | 54.8% |
| Fever | 9 | 1860 | 2.3 | 1.0 | 5.3 | 92.9% |
| Pain | 9 | 1551 | 4.5 | 1.3 | 14.9 | 91.9% |
| Hypotension | 2 | 613 | 3.6 | 0.2 | 45.5 | 94.1% |
| Hypertension | 2 | 289 | 1.4 | 0.5 | 3.6 | 52.9% |
| Pressure sore | 5 | 387 | 2.1 | 1.0 | 4.1 | 25.9% |
| Alopecia | 7 | 432 | 4.4 | 2.7 | 7.0 | 11.3% |
| Rash | 3 | 305 | 2.3 | 1.1 | 4.7 | 47.2% |
| **Biliary** | 77 | 14199 | 4.6 | 3.7 | 5.7 | 83.4% |
| Bile leak | 58 | 9925 | 4.4 | 3.4 | 5.6 | 78.9% |
| Cholestasis | 8 | 584 | 3.3 | 2.1 | 5.0 | 0.0% |
| Biliary stenosis | 30 | 6362 | 1.3 | 0.9 | 1.8 | 48.2% |
| Biloma | 11 | 2648 | 1.7 | 0.9 | 3.3 | 74.1% |
| Bile duct injury | 7 | 1856 | 0.4 | 0.2 | 1.0 | 0.0% |
| **Respiratory** | 60 | 9185 | 5.8 | 4.4 | 7.7 | 83.0% |
| Atelectasis | 11 | 2936 | 2.0 | 1.4 | 2.8 | 31.6% |
| Pleural effusion | 43 | 7029 | 5.0 | 3.8 | 6.7 | 81.2% |
| Pleural effusion  (Requiring thoracentesis) | 19 | 3398 | 2.3 | 1.5 | 3.5 | 69.4% |
| Pulmonary edema | 5 | 728 | 1.5 | 0.8 | 2.7 | 0.0% |
| Pneumothorax | 12 | 2595 | 0.7 | 0.3 | 1.3 | 47.1% |
| Pulmonary embolism | 18 | 3798 | 1.4 | 0.9 | 2.4 | 68.4% |
| Pneumonia | 23 | 4016 | 1.6 | 1.2 | 2.0 | 0.0% |
| Acute respiratory failure | 2 | 741 | 0.5 | 0.2 | 1.4 | 44.5% |
| Respiratory insufficiency | 1 | 604 | 0.3 | 0.1 | 1.3 | - |
| **Gastrointestinal** | 59 | 9994 | 3.6 | 2.6 | 4.9 | 85.6% |
| Ileus | 18 | 3944 | 2.1 | 1.3 | 3.3 | 79.2% |
| Bowel obstruction | 18 | 4881 | 1.0 | 0.7 | 1.4 | 14.7% |
| Ulcers | 12 | 1963 | 0.8 | 0.4 | 1.6 | 18.2% |
| Gastritis | 1 | 65 | 1.5 | 0.2 | 10.1 | - |
| Intestinal perforation | 1 | 272 | 0.4 | 0.1 | 2.6 | - |
| C.diff colitis | 2 | 91 | 2.2 | 0.6 | 8.4 | 0.0% |
| Nausea/Vomiting | 4 | 855 | 2.7 | 0.7 | 9.4 | 77.7% |
| Constipation | 1 | 604 | 0.2 | 0 | 1.2 | - |
| Diarrhoea | 2 | 183 | 6.6 | 0.4 | 55.0 | 92.7% |
| Dyspepsia | 2 | 172 | 6.8 | 0.2 | 76.2 | 94.8% |
| Gastroparesis | 4 | 1002 | 1.5 | 0.9 | 2.5 | 28.8% |
| Diaphragmatic hernia | 5 | 1303 | 0.8 | 0.3 | 2.4 | 59.0% |
| Hemoperitoneum | 12 | 2638 | 1.4 | 1.0 | 2.0 | 0.0% |
| Abdominal/Subphrenic effusion | 18 | 3054 | 4.6 | 3.3 | 6.4 | 64.6% |
| GERD | 1 | 83 | 8.4 | 4.1 | 16.6 | - |
| **Systemic infections** | 21 | 4032 | 2.0 | 1.4 | 2.8 | 48.8% |
| Abdominal infection | 7 | 1425 | 1.7 | 0.9 | 3.2 | 57.1% |
| Bacteremia | 2 | 133 | 1.5 | 0.4 | 5.8 | 0.0% |
| Abscess/Empyema | 15 | 2757 | 1.8 | 1.2 | 2.6 | 28.4% |
| **Wound-related complications** | 66 | 10264 | 5.8 | 4.6 | 7.2 | 81.9% |
| Wound dehiscence | 13 | 2622 | 1.2 | 0.6 | 2.5 | 77.9% |
| Wound infection | 49 | 7905 | 4.7 | 3.8 | 5.9 | 73.6% |
| Incisional hernia | 32 | 4462 | 2.2 | 1.5 | 3.0 | 55.1% |
| Seroma | 4 | 946 | 1.6 | 0.7 | 3.8 | 64.0% |
| Hematoma | 4 | 551 | 1.1 | 0.4 | 2.9 | 24.3% |
| Hypertrophic scar/Keloid | 8 | 783 | 2.6 | 1.3 | 5.1 | 47.0% |
| **Hepato-pancreatic complications** | 44 | 8281 | 2.4 | 1.7 | 3.4 | 82.1% |
| Pancreatitis  /Hyperamylasemia | 6 | 909 | 1.1 | 0.6 | 2.0 | 0.0% |
| Ascites | 14 | 3738 | 1.9 | 1.0 | 3.6 | 84.9% |
| Hyperbilirubinemia | 10 | 2304 | 2.8 | 1.2 | 6.4 | 92.4% |
| Portal vein thrombosis | 16 | 4037 | 0.4 | 0.3 | 0.7 | 0.0% |
| Portal vein stenosis | 4 | 1648 | 0.4 | 0.1 | 0.9 | 44.4% |
| MHV thrombosis | 3 | 931 | 0.6 | 0.3 | 1.4 | 0.0% |
| Budd Chiari syndrome | 1 | 205 | 1.5 | 0.5 | 4.4 | - |
| Drug-induced hepatotoxicity | 2 | 700 | 1.0 | 0.5 | 2.1 | 0.0% |
| Transient liver insufficiency | 11 | 2105 | 1.2 | 0.7 | 2.2 | 26.5% |
| Hepatic encephalopathy | 4 | 1410 | 0.4 | 0.2 | 0.9 | 0.0% |
| **Vascular** | 18 | 3256 | 1.2 | 0.8 | 2.0 | 51% |
| Deep vein thrombosis | 9 | 2022 | 0.8 | 0.5 | 1.3 | - |
| Thrombophlebitis | 1 | 40 | 2.5 | 0.4 | 15.7 | - |
| IVC thrombosis | 3 | 539 | 0.8 | 0.2 | 3.1 | 53.5% |
| **Renal** | 23 | 4665 | 1.8 | 1.1 | 2.8 | 59.9% |
| Renal failure | 4 | 1608 | 0.2 | 0.1 | 0.7 | 0.0% |
| Acute kidney injury | 1 | 50 | 2.0 | 0.3 | 12.9 | - |
| UTI | 17 | 2949 | 2.5 | 1.7 | 3.5 | 35.8% |
| Kidney stone | 1 | 58 | 1.7 | 0.2 | 11.2 | - |
| Urine retention | 3 | 1691 | 1.5 | 1.0 | 2.2 | 7.3% |
| **Cardiovascular** | 11 | 2301 | 0.7 | 0.4 | 1.3 | 12.2% |
| Arrhythmia | 9 | 2036 | 0.7 | 0.3 | 1.4 | 25.1% |
| ACS | 2 | 265 | 0.8 | 0.2 | 3.0 | 0.0% |
| **Psychological** | 16 | 1671 | 4.5 | 2.9 | 7.1 | 75.2% |
| Depression | 14 | 1486 | 3.6 | 2.3 | 5.7 | 60.9% |
| Anxiety | 3 | 685 | 2.2 | 0.3 | 14.7 | 94.7% |
| Substance abuse | 1 | 392 | 0.8 | 0.2 | 2.3 | - |
| **Left Lobe** | | | | | | |  | |  |  |  |  | **Left Lobe** |
| Total complication | 28 | 2486 | 12.3 | 8.1 | 18.4 | 86.6% |
| **Clavien-Dindo classification** | |  |  |  |  |  |  |
| Grade I | 11 | 1168 | 8.4 | 4.1 | 16.3 | 60.7% |
| Grade II | 11 | 1061 | 4.4 | 2.4 | 7.8 | 42.8% |
| Grade III | 11 | 808 | 5.0 | 2.9 | 8.3 | 36.9% |
| Grade IIIa | 10 | 801 | 2.9 | 1.9 | 4.3 | 0.0% |
| Grade IIIb | 10 | 782 | 2.4 | 1.0 | 5.4 | 49.8% |
| Grade IV | 8 | 661 | 0.3 | 0.1 | 1.2 | 42.5% |
| Minor: I - II | 16 | 1423 | 15.2 | 9.9 | 22.5 | 54.2% |
| Major: III - V | 14 | 1412 | 5.2 | 2.9 | 9.1 | 73.8% |
| **General** |  |  |  |  |  |  |
| Bleeding | 4 | 337 | 1.2 | 0.4 | 3.1 | 55.3% |
| Fever | 1 | 500 | 1.6 | 0.8 | 3.2 | - |
| Hypotension | 1 | 60 | 1.7 | 0.2 | 10.9 | - |
| **Biliary** | 16 | 1865 | 2.9 | 1.5 | 5.7 | 73.5% |
| Bile leak | 10 | 1621 | 2.6 | 1.0 | 6.5 | 80.1% |
| Biliary stenosis | 7 | 1026 | 0.9 | 0.4 | 1.8 | 0.0% |
| Biloma | 3 | 134 | 3.1 | 0.6 | 15.9 | 61.2% |
| Bile duct injury | 1 | 165 | 0.6 | 0.1 | 4.2 | - |
| **Respiratory** | 3 | 524 | 1.1 | 0.5 | 2.5 | 0.0% |
| Pulmonary embolism | 2 | 522 | 1.0 | 0.4 | 2.3 | 0.0% |
| **Gastrointestinal** | 11 | 1530 | 3.3 | 1.7 | 6.5 | 65.8% |
| Ileus | 2 | 48 | 6.3 | 2.0 | 17.7 | 0.0% |
| Bowel obstruction | 5 | 1346 | 1.1 | 0.4 | 2.7 | 58.9% |
| Ulcers | 2 | 507 | 1.8 | 0.9 | 3.4 | 76.1% |
| Gastroparesis | 2 | 203 | 5.9 | 3.4 | 10.1 | 18.8% |
| Hemoperitoneum | 4 | 109 | 2.8 | 0.9 | 8.2 | 33.8% |
| Abdominal/Subphrenic effusion | 18 | 3054 | 4.6 | 3.3 | 6.4 | 64.6% |
| **Systemic infections** | 5 | 1389 | 0.6 | 0.2 | 1.7 | 57.7% |
| Abdominal infection | 1 | 139 | 2.9 | 1.1 | 7.4 | - |
| Abscess/Empyema | 4 | 1250 | 0.3 | 0.1 | 0.8 | 0.0% |
| **Wound-related complications** | 9 | 830 | 6.9 | 5.3 | 8.8 | 0.0% |
| Wound dehiscence | 1 | 60 | 1.7 | 0.2 | 0.2 | - |
| Wound infection | 7 | 811 | 6.7 | 5.1 | 8.6 | 0.0% |
| Incisional hernia | 2 | 19 | 10.5 | 2.6 | 33.7 | 36.8% |
| **Hepato-pancreatic complications** | 5 | 1296 | 1.5 | 0.5 | 4.4 | 68.8% |
| Pancreatitis  /Hyperamylasemia | 1 | 500 | 0.2 | 0 | 1.4 | - |
| Ascites | 1 | 500 | 0.2 | 0 | 1.4 | - |
| Budd Chiari syndrome | 1 | 139 | 1.4 | 0.4 | 5.6 | 0.0% |
| Drug-induced hepatotoxicity | 1 | 500 | 1.2 | 0.5 | 2.6 | - |
| Transaminitis | 1 | 571 | 0.2 | 0 | 1.2 | - |
| **Psychological** | 1 | 37 | 5.4 | 1.4 | 19.2 | - |
| **Left lateral section** | | | | | | |  | |  |  |  |  | **Left lateral section** |
| Total complication | 16 | 547 | 12.7 | 7.2 | 21.5 | 20.7% |
| **Clavien-Dindo classification** | |  |  |  |  |  |  |
| Grade I | 6 | 222 | 3.8 | 0.7 | 17.1 | 51.0% |
| Grade II | 5 | 207 | 3.4 | 3.4 | 17.5 | 0.0% |
| Grade III | 6 | 310 | 6.5 | 3.8 | 10.8 | 37.9% |
| Grade IIIa | 6 | 310 | 4.7 | 2.6 | 8.5 | 7.5% |
| Grade IIIb | 6 | 310 | 1.6 | 0.7 | 3.8 | 0.0% |
| Minor: I - II | 7 | 273 | 12.7 | 7.6 | 20.6 | 48.7% |
| Major: III - V | 8 | 376 | 6.1 | 3.8 | 9.4 | 15.9% |
| **General** | 1 | 60 | 1.7 | 0.2 | 10.9 | - |
| Bleeding | 1 | 60 | 1.7 | 0.2 | 10.9 | - |
| Alopecia | 1 | 60 | 1.7 | 0.2 | 10.9 | - |
| Burn | 1 | 60 | 1.7 | 0.2 | 10.9 | - |
| **Biliary** | 8 | 393 | 7.3 | 2.7 | 18.6 | 89.9% |
| Bile leak | 3 | 129 | 9.3 | 5.4 | 15.7 | 0.0% |
| Biloma | 2 | 67 | 3.0 | 0.7 | 11.2 | 58.2% |
| **Respiratory** | 1 | 60 | 3.3 | 0.8 | 12.4 | - |
| **Gastrointestinal** | 6 | 211 | 6.6 | 4.0 | 10.9 | 0.0% |
| Bowel obstruction | 1 | 28 | 3.6 | 0.5 | 21.4 | - |
| Gastroparesis | 2 | 101 | 5.0 | 2.1 | 11.3 | 0.0% |
| Gastric volvulus | 1 | 60 | 5.0 | 1.6 | 14.4 | - |
| **Systemic infections** | 2 | 154 | 2.5 | 0.7 | 8.5 | 60.2% |
| Abdominal infection | 1 | 51 | 5.9 | 1.9 | 16.7 | - |
| Abscess/Empyema | 1 | 103 | 1.0 | 0.1 | 6.6 | - |
| **Wound-related complications** | 5 | 161 | 4.6 | 1.8 | 11.2 | 49.2% |
| Wound infection | 3 | 94 | 3.2 | 1.0 | 9.4 | 0.0% |
| Incisional hernia | 2 | 35 | 5.7 | 1.4 | 20.2 | 2.6% |
| **Vascular** | 1 | 51 | 2.0 | 0.3 | 12.6 | - |
| **Renal** | 1 | 60 | 1.7 | 0.2 | 10.9 | - |
| **Psychological** | 1 | 89 | 3.4 | 1.1 | 9.9 | - |

**Legend**: LDLT – Living Donor Liver Transplant; LCI – Lower confidence interval; UCI – Upper confidence interval; GERD – Gastroesophageal reflux disease; MHV – Middle hepatic vein; IVC – Inferior vena cava; UTI – Urinary tract infection; ACS – Acute coronary syndrome

**Supplementary Table 4: Complications in liver donors post LDLT, accounting for potential overlap in patients**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | No. of studies | Sample size | Incidence (%) | LCI | UCI | I2 |
| Total complication | 67 | 15753 | 23.6 | 19.2 | 28.6 | 93.9% |
|  | |  |  |  |  |  |
| **Clavien-Dindo classification** | |  |  |  |  |  |
| Grade I | 34 | 6570 | 10.7 | 8.0 | 14.2 | 86.9% |
| Grade II | 30 | 6388 | 6.3 | 5.1 | 7.8 | 74.0% |
| Grade III | 39 | 6893 | 7.2 | 5.5 | 9.3 | 80.2% |
| Grade IIIa | 32 | 5806 | 4.5 | 3.2 | 6.2 | 68.6% |
| Grade IIIb | 31 | 5617 | 2.2 | 1.4 | 3.4 | 72.5% |
| Grade IV | 26 | 9617 | 0.4 | 0.2 | 0.8 | 43.3% |
| Grade IVa | 24 | 5150 | 0.5 | 0.3 | 1.0 | 0.0% |
| Minor: I - II | 40 | 7835 | 16.4 | 13.3 | 19.9 | 86.4% |
| Major: III - V | 46 | 13209 | 6.9 | 5.2 | 9.0 | 88.2% |
|  |  |  |  |  |  |  |
| Reoperations | 29 | 7367 | 1.7 | 1.3 | 2.3 | 54.8% |
| Readmission | 13 | 2755 | 3.7 | 2.1 | 6.4 | 79.2% |
| Blood transfusion | 27 | 6230 | 2.7 | 1.2 | 6.0 | 94.6% |
| Mortality | 48 | 24654 | 0.1 | 0.0 | 0.3 | 0.0% |
|  |  |  |  |  |  |  |
| **Complications by Organ System** | | | | | | |
| **General** |  |  |  |  |  |  |
| Bleeding | 28 | 6994 | 1.4 | 1.0 | 2.0 | 64.6% |
| Fever | 11 | 2867 | 3.0 | 1.6 | 5.7 | 93.4% |
| Pain | 12 | 1582 | 3.1 | 1.4 | 6.8 | 80.4% |
| Hypertension | 5 | 13228 | 2.9 | 1.5 | 5.5 | 70.3% |
| Hypotension | 2 | 306 | 0.7 | 0.2 | 2.6 | 0.3% |
| Pressure sore | 3 | 360 | 1.1 | 0.4 | 2.9 | 0.0% |
| Alopecia | 3 | 270 | 3.3 | 1.7 | 6.3 | 0.0% |
| Itching/Pruritus | 1 | 113 | 0.9 | 0.1 | 6.0 | - |
| Rash | 1 | 246 | 0.4 | 0.1 | 2.8 | - |
| Burn | 2 | 239 | 0.8 | 0.2 | 3.3 | 0.0% |
|  |  |  |  |  |  |  |
| **Biliary** | 51 | 10886 | 5.2 | 4.0 | 6.8 | 88.4% |
| Bile leak | 41 | 10261 | 3.8 | 2.8 | 5.2 | 84.2% |
| Cholestasis | 6 | 734 | 1.8 | 0.9 | 3.6 | 32.9% |
| Biliary stenosis | 21 | 5973 | 0.8 | 0.6 | 1.1 | 7.3% |
| Biloma | 10 | 2344 | 2.2 | 1.2 | 4.1 | 69.1% |
| Bile duct injury | 3 | 1593 | 0.2 | 0.1 | 0.6 | 0.0% |
| Ampullary stenosis | 3 | 149 | 3.4 | 1.4 | 7.8 | 0.0% |
|  |  |  |  |  |  |  |
| **Respiratory** | 36 | 8265 | 4.4 | 2.9 | 6.7 | 91.5% |
| Atelectasis | 7 | 2314 | 2.3 | 1.8 | 3.0 | 0.0% |
| Pleural effusion | 25 | 5795 | 4.4 | 3.0 | 6.5 | 90.7% |
| Pleural effusion (Requiring thoracentesis) | 14 | 2811 | 1.8 | 1.1 | 3.0 | 76.0% |
| Pulmonary edema | 1 | 246 | 0.4 | 0.1 | 2.8 | - |
| Pneumothorax | 5 | 753 | 1.2 | 0.6 | 2.3 | 0.0% |
| Pulmonary embolism | 13 | 5586 | 0.8 | 0.5 | 1.4 | 61.0% |
| Pneumonia | 16 | 3501 | 1.4 | 1.1 | 1.8 | 0.0% |
| Acute respiratory failure | 3 | 2002 | 0.4 | 0.2 | 0.8 | 0.0% |
| Respiratory insufficiency | 2 | 782 | 0.4 | 0.1 | 1.2 | 0.0% |
|  |  |  |  |  |  |  |
| **Gastrointestinal** | 41 | 9410 | 3.2 | 2.1 | 4.8 | 90.7% |
| Ileus | 5 | 2004 | 1.5 | 1.0 | 2.1 | 0.0% |
| Bowel obstruction | 11 | 4302 | 1.0 | 0.6 | 1.6 | 47.2% |
| Ulcers | 7 | 891 | 1.1 | 0.6 | 2.1 | 2.1% |
| Gastritis | 2 | 230 | 1.3 | 0.4 | 4.0 | 0.0% |
| Intestinal perforation | 2 | 1412 | 0.1 | 0.0 | 0.6 | 2.8% |
| Nausea/Vomiting | 2 | 624 | 1.3 | 0.4 | 4.7 | 69.2% |
| Constipation | 1 | 604 | 0.2 | 0.0 | 1.2 | - |
| Diarrhea | 3 | 387 | 12.3 | 1.9 | 50.4 | 85.7% |
| Gastroparesis | 5 | 1273 | 1.6 | 0.8 | 3.3 | 47.3% |
| Diaphragmatic hernia | 4 | 849 | 0.5 | 0.2 | 1.2 | 0.0% |
| Gastroenteritis | 2 | 1537 | 1.0 | 0.6 | 1.6 | 56.9% |
| Hemoperitoneum | 6 | 1023 | 1.3 | 0.7 | 2.2 | 0.0% |
| Abdominal/Subphrenic effusion | 8 | 3282 | 3.2 | 2.2 | 4.6 | 46.4% |
| GERD | 1 | 83 | 8.4 | 4.1 | 16.6 | - |
| Gastric volvulus | 2 | 241 | 5.6 | 1.8 | 16.1 | 84.3% |
|  |  |  |  |  |  |  |
| **Systemic infections** | 15 | 5013 | 1.4 | 0.8 | 2.4 | 67.1% |
| Abdominal infection | 5 | 1546 | 2.4 | 1.2 | 4.6 | 48.7% |
| Bacteremia | 1 | 275 | 0.7 | 0.2 | 2.9 | - |
| Abscess/Empyema | 9 | 3192 | 1.0 | 0.5 | 2.2 | 59.5% |
|  |  |  |  |  |  |  |
| **Wound-related complications** | 43 | 8008 | 4.7 | 3.6 | 5.9 | 73.6% |
| Wound dehiscence | 9 | 1863 | 0.6 | 0.4 | 1.1 | 0.0% |
| Wound infection | 32 | 6797 | 3.8 | 2.9 | 4.9 | 69.8% |
| Incisional hernia | 20 | 3344 | 1.3 | 0.9 | 1.9 | 42.5% |
| Seroma | 3 | 864 | 1.0 | 0.3 | 3.3 | 76.1% |
| Hematoma | 3 | 385 | 1.7 | 0.6 | 5.2 | 60.7% |
| Adhesions | 1 | 40 | 2.5 | 0.4 | 15.7 | - |
| Hypertrophic scar/Keloid | 6 | 999 | 2.8 | 1.3 | 6.0 | 60.6% |
| Delayed wound healing | 1 | 382 | 1.6 | 0.7 | 3.5 | - |
|  |  |  |  |  |  |  |
| **Hepato-pancreatic complications** | 36 | 12533 | 1.8 | 1.2 | 2.8 | 84.2% |
| Pancreatitis/Hyperamylasemia | 5 | 2077 | 0.6 | 0.4 | 1.1 | 1.4% |
| Cholangitis | 1 | 104 | 1.9 | 0.5 | 7.4 | - |
| Ascites | 12 | 3921 | 1.6 | 0.8 | 3.3 | 88.1% |
| Hepatic outflow obstruction | 1 | 275 | 0.4 | 0.1 | 2.5 | - |
| Hyperbilirubinemia | 5 | 1833 | 2.2 | 0.5 | 8.7 | 90.7% |
| Hypophosphatemia | 1 | 126 | 0.8 | 0.1 | 5.4 | - |
| Portal vein thrombosis | 12 | 3518 | 0.5 | 0.3 | 1.0 | 43.7% |
| Portal vein stenosis | 1 | 412 | 0.5 | 0.1 | 1.9 | - |
| MHV thrombosis | 2 | 241 | 5.6 | 1.8 | 16.1 | 84.3% |
| Budd Chiari syndrome | 1 | 408 | 1.2 | 0.5 | 2.9 | - |
| Drug-induced hepatotoxicity | 2 | 1372 | 0.9 | 0.6 | 1.6 | 0.0% |
| Blood in drain | 1 | 160 | 0.6 | 0.1 | 4.3 | - |
| Transaminitis | 2 | 74 | 2.7 | 0.7 | 10.2 | 0.0% |
| Transient liver insufficiency | 11 | 8128 | 0.6 | 0.3 | 1.2 | 73.0% |
| Post Hepatectomy Liver Failure | 3 | 154 | 3.2 | 1.4 | 7.6 | 0.0% |
| Hepatic encephalopathy | 1 | 604 | 0.2 | 0.0 | 1.2 | - |
|  |  |  |  |  |  |  |
| **Vascular** | 11 | 2945 | 0.8 | 0.5 | 1.2 | 0.0% |
| Deep vein thrombosis | 6 | 2080 | 0.7 | 0.4 | 1.1 | 0.0% |
| IVC thrombosis | 2 | 209 | 1.4 | 0.5 | 4.4 | 0.0% |
|  |  |  |  |  |  |  |
| **Renal** | 18 | 3501 | 1.7 | 1.1 | 2.6 | 51.2% |
| Acute kidney injury | 3 | 465 | 0.6 | 0.2 | 2.0 | 0.0% |
| UTI | 14 | 3047 | 1.7 | 1.1 | 2.4 | 22.6% |
| Kidney stone | 1 | 126 | 0.8 | 0.1 | 5.4 | - |
| Urine retention | 4 | 1469 | 1.6 | 1.1 | 2.4 | 0.0% |
|  |  |  |  |  |  |  |
| **Cardiovascular** | 9 | 14811 | 0.7 | 0.3 | 1.7 | 90.9% |
| Arrhythmia | 3 | 1463 | 0.4 | 0.1 | 1.7 | 75.7% |
| ACS | 2 | 12436 | 0.2 | 0.1 | 0.3 | 78.4% |
|  |  |  |  |  |  |  |
| **Psychological** | 14 | 13777 | 11.5 | 5.7 | 21.8 | 95.1% |
| Depression | 14 | 13777 | 6.8 | 3.7 | 12.3 | 91.0% |
| Anxiety | 6 | 471 | 7.2 | 1.8 | 24.3 | 90.1% |
| Substance abuse | 2 | 229 | 0.9 | 0.2 | 3.4 | 17.9% |

**Legend**: LDLT – Living Donor Liver Transplant; LCI – Lower confidence interval; UCI – Upper confidence interval; MHV – Middle hepatic vein; IVC – Inferior vena cava; UTI – Urinary tract infection; ACS – Acute coronary syndrome

**Supplementary Table 5: Complication in donors after LDLT subgroup by duration of follow-up of study**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | No. of studies | Sample size | Incidence (%) | LCI | UCI | I2 |
| **Follow-up time <30 days** | |  |  |  |  |  |
| Total complication | 5 | 570 | 30.3 | 11.2 | 60.1 | 96.5% |
| Reoperations | 1 | 130 | 0.8 | 0.1 | 5.3 | - |
| Blood transfusion | 3 | 399 | 5.8 | 3.1 | 10.5 | 67.2% |
| Mortality | 1 | 113 | 0.9 | 0.1 | 6.0 | - |
| **Complications by Organ System** | |  |  |  |  |  |
| **General** |  |  |  |  |  |  |
| Bleeding | 2 | 299 | 2.0 | 0.9 | 4.4 | 4.8% |
| Pain | 1 | 113 | 5.3 | 2.4 | 11.3 | - |
| Itching/Pruritus | 2 | 121 | 6.0 | 0.3 | 58.8 | 91.3% |
| Burn | 1 | 113 | 0.9 | 0.1 | 6.0 | - |
| **Biliary** | 3 | 357 | 1.8 | 1.5 | 5.3 | 15.1% |
| Bile leak | 2 | 316 | 2.8 | 1.4 | 5.8 | 56.2% |
| Biliary stenosis | 1 | 41 | 2.4 | 9.3 | 15.4 | - |
| **Respiratory** | 3 | 340 | 11.2 | 8.2 | 15.0 | 0.0% |
| Atelectasis | 1 | 113 | 1.8 | 0.4 | 6.8 | - |
| Pleural effusion | 3 | 340 | 9.1 | 5.8 | 13.9 | 40.2% |
| Pulmonary embolism | 1 | 113 | 0.9 | 0.1 | 6.0 | - |
| Pneumonia | 1 | 113 | 2.7 | 0.9 | 7.9 | - |
| **Gastrointestinal** | 2 | 138 | 7.0 | 1.5 | 27.7 | 80.5% |
| Intestinal perforation | 1 | 130 | 0.8 | 0.1 | 5.3 | - |
| Nausea/Vomiting | 1 | 8 | 25.0 | 6.3 | 62.3 | - |
| Gastroparesis | 1 | 130 | 3.1 | 1.2 | 7.9 | - |
| **Wound-related complications** | 2 | 227 | 8.9 | 1.9 | 32.7 | 78.6% |
| Wound infection | 1 | 41 | 2.4 | 0.3 | 15.4 | - |
| Seroma | 1 | 186 | 2.7 | 1.1 | 6.3 | - |
| **Renal** |  |  |  |  |  |  |
| Urine retention | 1 | 113 | 0.9 | 0.1 | 6.0 | - |
| **Follow-up time 30 days to 3 months** | | | | | | |
| Total complication | 7 | 1742 | 27.2 | 14.3 | 45.6 | 96.8% |
| **Clavien-Dindo classification** | |  |  |  |  |  |
| Grade I | 1 | 288 | 5.6 | 3.4 | 8.9 | - |
| Grade II | 2 | 380 | 6.0 | 0.7 | 36.0 | 96.6% |
| Grade III | 1 | 288 | 9.4 | 9.4 | 13.3 | - |
| Grade IIIa | 1 | 288 | 8.3 | 5.6 | 12.1 | - |
| Grade IIIb | 1 | 288 | 1.0 | 0.3 | 3.2 | - |
| Minor: I - II | 4 | 839 | 18.9 | 9.6 | 34.0 | 92.5% |
| Major: III - V | 3 | 747 | 9.5 | 7.6 | 11.8 | 0.0% |
| Reoperations | 3 | 747 | 1.7 | 1.0 | 3.0 | 0.0% |
| Readmission | 1 | 288 | 7.6 | 5.1 | 11.3 | - |
| Blood transfusion | 2 | 504 | 2.9 | 0.8 | 10.2 | 90.1% |
| Mortality | - | - | - | - | - | - |
| **Complications by Organ System** | |  |  |  |  |  |
| **General** |  |  |  |  |  |  |
| Bleeding | 4 | 1302 | 1.2 | 0.8 | 2.0 | 9.7% |
| Pain | 1 | 288 | 2.1 | 0.9 | 4.6 | - |
| Alopecia | 1 | 47 | 4.3 | 1.1 | 15.5 | - |
| **Biliary** | 6 | 1682 | 4.3 | 2.9 | 6.3 | 60.8% |
| Bile leak | 4 | 1133 | 3.9 | 2.2 | 6.7 | 66.6% |
| Biliary stenosis | 2 | 798 | 1.0 | 0.5 | 2.0 | 0.0% |
| Biloma | 2 | 674 | 0.6 | 0.2 | 1.6 | 0.0% |
| **Respiratory** | 3 | 525 | 6.3 | 2.2 | 16.9 | 92.1% |
| Pleural effusion | 2 | 433 | 2.3 | 1.2 | 4.2 | 0.0% |
| Pleural effusion (Requiring thoracentesis) | 1 | 47 | 2.1 | 0.3 | 13.6 | - |
| Pulmonary embolism | 1 | 47 | 2.1 | 0.3 | 13.6 | - |
| **Gastrointestinal** | 4 | 813 | 2.6 | 0.9 | 7.6 | 77.6% |
| Ileus | 3 | 525 | 3.4 | 1.3 | 8.3 | 76.8% |
| Ulcers | 1 | 386 | 0.5 | 0.1 | 2.0 | - |
| Nausea/Vomiting | 1 | 288 | 0.3 | 0.0 | 2.4 | - |
| Abdominal/Subphrenic effusion | 1 | 47 | 2.1 | 0.3 | 13.6 | - |
| GERD | 1 | 386 | 0.3 | 0.0 | 1.8 | - |
| **Systemic infections** | 3 | 766 | 1.5 | 0.4 | 5.7 | 83.0% |
| Abscess/Empyema | 2 | 674 | 0.9 | 0.4 | 2.0 | 31.4% |
| **Wound-related complications** | 5 | 1270 | 4.8 | 1.2 | 17.9 | 96.6% |
| Wound dehiscence | 1 | 47 | 14.9 | 7.3 | 28.1 | - |
| Wound infection | 2 | 843 | 1.4 | 0.8 | 2.5 | 0.0% |
| Incisional hernia | 1 | 47 | 6.4 | 2.1 | 18.0 | - |
| Seroma | 1 | 92 | 9.8 | 5.2 | 17.7 | - |
| **Vascular** | 2 | 433 | 2.1 | 1.1 | 3.9 | 0.0% |
| Deep vein thrombosis | 1 | 47 | 2.1 | 0.3 | 13.6 | - |
| **Renal** | 1 | 386 | 0.3 | 0.0 | 1.8 | - |
| **Hepato-pancreatic complications** | 3 | 1086 | 1.5 | 0.9 | 2.4 | 19.4% |
| Cholangitis | 1 | 386 | 0.3 | 0.0 | 1.8 | - |
| Ascites | 1 | 288 | 1.4 | 0.5 | 3.6 | - |
| Hyperbilirubinemia | 2 | 674 | 0.6 | 0.2 | 1.6 | 31.6% |
| Portal vein thrombosis | 1 | 412 | 0.5 | 0.1 | 1.9 | - |
| Portal vein stenosis | 2 | 798 | 0.6 | 0.3 | 1.5 | 0.0% |
| **Psychological** | 4 | 263 | 9.9 | 6.1 | 15.8 | 51.5% |
| Depression | 4 | 263 | 9.0 | 5.5 | 14.4 | 45.4% |
| Anxiety | 1 | 33 | 6.1 | 1.5 | 21.2 | - |
| **Follow-up time 3 months to 1 year** | |  |  |  |  |  |
| Total complication | 26 | 3885 | 27.3 | 19.6 | 36.7 | 95.3% |
| **Clavien-Dindo classification** | |  |  |  |  |  |
| Grade I | 10 | 1698 | 13.7 | 7.1 | 24.9 | 94.1% |
| Grade II | 8 | 1635 | 2.0 | 9.4 | 9.7 | 38.8% |
| Grade III | 13 | 3375 | 4.7 | 2.8 | 8.0 | 85.8% |
| Grade IIIa | 11 | 2161 | 3.1 | 1.5 | 6.3 | 80.9% |
| Grade IIIb | 10 | 1779 | 1.7 | 1.2 | 2.4 | 16.4% |
| Grade IV | 9 | 2849 | 0.2 | 0.0 | 1.0 | 21.8% |
| Grade IVa | 8 | 1687 | 0.3 | 0.1 | 1.4 | 0.0% |
| Grade IVb | 8 | 1687 | 0.1 | 0.0 | 0.4 | 0.0% |
| Minor: I - II | 11 | 1724 | 18.8 | 11.8 | 28.6 | 93.4% |
| Major: III - V | 14 | 3401 | 5.2 | 3.2 | 8.4 | 87.0% |
| Reoperations | 13 | 2462 | 1.7 | 1.0 | 2.7 | 54.1% |
| Readmission | 5 | 378 | 1.9 | 0.9 | 3.8 | 0.0% |
| Blood transfusion | 10 | 889 | 4.3 | 0.8 | 19.7 | 88.9% |
| Mortality | 24 | 3465 | 0.1 | 0.0 | 0.5 | 0.0% |
| **Complications by Organ System** | |  |  |  |  |  |
| **General** |  |  |  |  |  |  |
| Bleeding | 7 | 720 | 2.0 | 1.1 | 3.6 | 39.1% |
| Fever | 2 | 450 | 10.9 | 3.8 | 27.6 | 94.6% |
| Pain | 5 | 464 | 8.4 | 1.4 | 36.9 | 89.5% |
| Hypertension | 1 | 272 | 1.1 | 0.4 | 3.4 | - |
| Pressure sore | 1 | 40 | 7.5 | 2.4 | 20.8 | - |
| Alopecia | 1 | 51 | 7.8 | 3.0 | 19.1 | - |
| Numbness | 1 | 30 | 6.7 | 1.7 | 23.1 | - |
| Burn | 1 | 42 | 2.4 | 0.3 | 15.1 | - |
| **Biliary** | 20 | 3720 | 4.5 | 2.9 | 6.9 | 81.7% |
| Bile leak | 18 | 3423 | 4.1 | 2.5 | 6.8 | 78.3% |
| Cholestasis | 2 | 379 | 0.8 | 0.3 | 2.4 | 46.5% |
| Biliary stenosis | 6 | 2533 | 0.6 | 0.4 | 1.0 | 23.8% |
| Biloma | 2 | 340 | 0.6 | 0.1 | 2.3 | 0.0% |
| Bile duct injury | 1 | 206 | 0.5 | 0.1 | 3.4 | - |
| Ampullary stenosis | 2 | 132 | 3.0 | 1.1 | 7.8 | 0.0% |
| **Respiratory** | 18 | 1867 | 8.2 | 4.9 | 13.4 | 87.1% |
| Atelectasis | 3 | 518 | 1.5 | 0.8 | 3.1 | 47.1% |
| Pleural effusion | 15 | 1752 | 6.0 | 3.3 | 10.7 | 88.4% |
| Pleural effusion (Requiring thoracentesis) | 5 | 848 | 2.8 | 1.1 | 6.8 | 76.1% |
| Pulmonary edema | 1 | 51 | 2.0 | 0.3 | 12.6 | - |
| Pneumothorax | 4 | 534 | 1.3 | 0.6 | 3.1 | 2.8% |
| Pulmonary embolism | 3 | 565 | 1.4 | 0.3 | 6.0 | 80.6% |
| Pneumonia | 7 | 636 | 1.8 | 0.9 | 3.6 | 0.0% |
| Acute respiratory failure | 1 | 275 | 0.7 | 0.2 | 2.9 | - |
| Respiratory insufficiency | 1 | 178 | 0.6 | 0.1 | 3.9 | - |
| **Gastrointestinal** | 20 | 3361 | 3.6 | 1.9 | 5.6 | 80.6% |
| Ileus | 3 | 357 | 2.5 | 1.3 | 4.8 | 0.0% |
| Bowel obstruction | 3 | 1502 | 0.5 | 0.2 | 1.0 | 0.0% |
| Ulcers | 2 | 303 | 0.7 | 0.2 | 2.6 | 57.9% |
| Gastritis | 1 | 65 | 1.5 | 0.2 | 10.1 | - |
| Intestinal perforation | 1 | 272 | 0.4 | 0.1 | 2.6 | - |
| Dyspepsia | 1 | 12 | 50.0 | 24.4 | 75.6 | - |
| Gastroparesis | 2 | 310 | 2.6 | 1.3 | 5.1 | 0.0% |
| Diaphragmatic hernia | 2 | 448 | 2.2 | 1.2 | 4.1 | 9.9% |
| Gastroenteritis | 1 | 275 | 1.8 | 0.8 | 4.3 | - |
| Hemoperitoneum | 2 | 1188 | 0.6 | 0.3 | 1.2 | 71.0% |
| Abdominal/Subphrenic effusion | 2 | 448 | 2.2 | 1.2 | 4.1 | 9.9% |
| **Systemic infections** | 7 | 1859 | 1.5 | 0.6 | 1.5 | 79.4% |
| Bacteremia | 2 | 317 | 0.9 | 0.3 | 2.9 | 0.0% |
| Abscess/Empyema | 6 | 1575 | 1.4 | 0.6 | 3.6 | 72.6% |
| **Wound-related complications** | 15 | 1340 | 6.3 | 4.2 | 9.3 | 67.9% |
| Wound dehiscence | 2 | 169 | 1.2 | 0.3 | 4.6 | 0.0% |
| Wound infection | 13 | 1273 | 5.0 | 3.1 | 7.9 | 71.4% |
| Incisional hernia | 5 | 533 | 1.3 | 0.6 | 2.7 | 0.0% |
| Hematoma | 2 | 326 | 0.9 | 0.3 | 2.8 | 0.0% |
| Hypertrophic scar/Keloid | 3 | 366 | 1.6 | 0.4 | 6.4 | 65.8% |
| **Hepato-pancreatic complications** | 14 | 2602 | 3.5 | 1.8 | 6.7 | 85.1% |
| Pancreatitis/Hyperamylasemia | 2 | 146 | 2.1 | 0.7 | 6.2 | 0.0% |
| Cholangitis | 1 | 104 | 1.9 | 0.5 | 7.4 | - |
| Ascites | 4 | 481 | 8.5 | 4.1 | 15.8 | 83.7% |
| Hepatic outflow obstruction | 1 | 275 | 0.4 | 0.1 | 2.5 | - |
| Hyperbilirubinemia | 4 | 1530 | 1.9 | 0.5 | 6.6 | 85.0% |
| Portal vein thrombosis | 4 | 1343 | 0.7 | 0.2 | 3.5 | 66.9% |
| Portal vein stenosis | 1 | 1162 | 0.1 | 0.0 | 0.6 | - |
| Transaminitis | 2 | 1196 | 0.3 | 0.0 | 3.8 | 84.0% |
| Transient liver insufficiency | 4 | 663 | 0.9 | 0.4 | 2.0 | 19.6% |
| Hepatic encephalopathy | 1 | 206 | 1.0 | 0.2 | 3.8 | - |
| **Vascular** | 4 | 334 | 1.5 | 0.6 | 3.5 | 0.0% |
| Deep vein thrombosis | 2 | 252 | 1.2 | 0.4 | 3.6 | 0.0% |
| Thrombophlebitis | 1 | 40 | 2.5 | 0.4 | 15.7 | - |
| **Renal** | 6 | 1807 | 1.4 | 0.4 | 4.6 | 73.1% |
| Renal failure | 1 | 1162 | 0.1 | 0.0 | 0.6 | 0.0% |
| Acute kidney injury | 1 | 275 | 0.4 | 0.1 | 2.5 | - |
| UTI | 5 | 645 | 2.2 | 1.0 | 4.8 | 45.9% |
| **Cardiovascular** | 4 | 790 | 1.4 | 0.7 | 2.6 | 0.0% |
| Arrhythmia | 1 | 272 | 1.8 | 0.8 | 4.3 | - |
| ACS | 1 | 65 | 1.5 | 0.2 | 10.1 | - |
| **Psychological** | 4 | 175 | 17.2 | 8.0 | 32.9 | 82.7% |
| Depression | 4 | 175 | 10.9 | 7.0 | 16.4 | 0.0% |
| Anxiety | 1 | 31 | 35.5 | 20.9 | 53.4 | - |
| **Follow-up time more than 1 year** | |  |  |  |  |  |
| Total complication | 125 | 28120 | 23.9 | 20.5 | 27.7 | 96.1% |
| **Clavien-Dindo classification** | 76 | 16755 | 10.7 | 8.9 | 12.7 | 90.6% |
| Grade I | 72 | 16692 | 5.8 | 4.6 | 7.5 | 93.7% |
| Grade II | 82 | 17645 | 5.4 | 4.3 | 6.8 | 84.8% |
| Grade III | 61 | 11964 | 3.1 | 2.3 | 4.2 | 73.8% |
| Grade IIIa | 60 | 12023 | 2.1 | 1.5 | 2.8 | 81.3% |
| Grade IIIb | 53 | 15896 | 0.2 | 0.1 | 0.4 | 28.7% |
| Grade IV | 51 | 11429 | 0.2 | 0.1 | 0.4 | 0.0% |
| Minor: I - II | 83 | 17877 | 17.1 | 14.2 | 20.3 | 95.5% |
| Major: III - V | 89 | 24001 | 5.4 | 4.3 | 6.8 | 87.9% |
| Reoperations | 49 | 11883 | 2.0 | 1.5 | 2.5 | 69.4% |
| Readmission | 33 | 6614 | 5.3 | 3.7 | 7.6 | 84.1% |
| Blood transfusion | 58 | 11508 | 1.9 | 1.0 | 3.5 | 93.8% |
| Mortality | 85 | 45018 | 0.1 | 0.0 | 0.1 | 0.0% |
| **Complications by Organ System** | |  |  |  |  |  |
| **General** |  |  |  |  |  |  |
| Bleeding | 56 | 13503 | 1.7 | 1.3 | 2.1 | 59.9% |
| Fever | 17 | 3340 | 2.1 | 1.4 | 3.0 | 51.6% |
| Pain | 16 | 2167 | 5.9 | 2.6 | 12.9 | 94.2% |
| Hypertension | 5 | 13088 | 3.0 | 1.5 | 6.0 | 59.1% |
| Hypotension | 4 | 1459 | 5.5 | 4.6 | 6.5 | 93.4% |
| Pressure sore | 5 | 507 | 1.2 | 0.5 | 2.6 | 0.0% |
| Alopecia | 5 | 496 | 2.8 | 1.7 | 4.7 | 0.0% |
| Numbness | 5 | 789 | 14.0 | 3.6 | 41.6 | 97.1% |
| Itching/Pruritus | 1 | 517 | 33.0 | 29.1 | 37.2 | - |
| Rash | 4 | 641 | 1.5 | 0.7 | 3.4 | 37.4% |
| Burn | 1 | 126 | 0.8 | 0.1 | 5.4 | - |
| **Biliary** | 104 | 21158 | 4.7 | 3.9 | 5.6 | 86.3% |
| Bile leak | 78 | 17338 | 4.1 | 3.3 | 5.0 | 82.4% |
| Cholestasis | 8 | 647 | 2.9 | 1.9 | 4.6 | 0.0% |
| Biliary stenosis | 46 | 13072 | 1.0 | 0.7 | 1.3 | 53.7% |
| Biloma | 20 | 4348 | 1.9 | 1.2 | 2.9 | 56.9% |
| Bile duct injury | 7 | 2151 | 0.3 | 0.1 | 0.8 | 0.0% |
| Ampullary stenosis | 1 | 17 | 5.9 | 0.8 | 32.0 | - |
| **Respiratory** | 75 | 17292 | 4.1 | 3.1 | 5.5 | 90.5% |
| Atelectasis | 12 | 3020 | 2.6 | 1.7 | 3.8 | 63.8% |
| Pleural effusion | 51 | 12017 | 4.2 | 3.0 | 5.6 | 90.3% |
| Pleural effusion (Requiring thoracentesis) | 30 | 6781 | 1.6 | 1.1 | 2.3 | 67.1% |
| Pulmonary edema | 6 | 1485 | 1.8 | 1.2 | 2.6 | 0.0% |
| Pneumothorax | 16 | 5175 | 0.5 | 0.3 | 0.7 | 0.0% |
| Pulmonary embolism | 20 | 8404 | 0.8 | 0.6 | 1.2 | 23.5% |
| Pneumonia | 32 | 7096 | 1.2 | 0.9 | 1.5 | 8.6% |
| Acute respiratory failure | 5 | 3115 | 0.4 | 0.2 | 0.6 | 48.3% |
| Respiratory insufficiency | 3 | 1568 | 0.3 | 0.1 | 0.7 | 0.0% |
| **Gastrointestinal** | 81 | 18123 | 3.7 | 2.7 | 5.0 | 95.8% |
| Ileus | 26 | 7063 | 1.8 | 1.3 | 2.5 | 74.9% |
| Bowel obstruction | 26 | 7758 | 1.1 | 0.8 | 1.5 | 2.0% |
| Ulcers | 14 | 1968 | 1.0 | 0.6 | 1.6 | 0.0% |
| Gastritis | 1 | 165 | 1.2 | 0.3 | 4.7 | - |
| Intestinal perforation | 1 | 1140 | 0.1 | 0.0 | 0.6 | - |
| C.diff colitis | 5 | 1248 | 0.5 | 0.2 | 1.1 | 3.7% |
| Nausea/Vomiting | 6 | 1528 | 2.8 | 1.7 | 4.7 | 47.2% |
| Constipation | 3 | 699 | 2.0 | 0.2 | 18.2 | 90.5% |
| Diarrhea | 6 | 1148 | 9.3 | 3.0 | 25.2 | 94.7% |
| Dyspepsia | 1 | 160 | 0.6 | 0.1 | 4.3 | - |
| Gastroparesis | 7 | 2277 | 2.6 | 0.7 | 9.2 | 98.3% |
| Diaphragmatic hernia | 5 | 1577 | 0.3 | 0.1 | 0.8 | 0.0% |
| Gastroenteritis | 2 | 1292 | 0.9 | 0.5 | 1.5 | 46.9% |
| Hemoperitoneum | 18 | 5362 | 1.3 | 1.0 | 1.7 | 14.7% |
| Abdominal/Subphrenic effusion | 20 | 5414 | 3.7 | 2.4 | 5.6 | 83.5% |
| GERD | 2 | 259 | 13.4 | 8.2 | 21.2 | 69.5% |
| Gastric volvulus | 2 | 241 | 5.6 | 1.8 | 16.1 | 84.3% |
| **Systemic infections** | 27 | 7777 | 1.7 | 1.1 | 2.6 | 89.9% |
| Abdominal infection | 10 | 2666 | 1.7 | 1.0 | 2.9 | 54.4% |
| Bacteremia | 2 | 851 | 4.9 | 0.7 | 28.3 | 86.4% |
| Abscess/Empyema | 16 | 4456 | 1.3 | 0.8 | 2.2 | 62.2% |
| **Wound-related complications** | 93 | 18499 | 5.1 | 4.2 | 6.1 | 86.2% |
| Wound dehiscence | 15 | 4322 | 0.6 | 0.4 | 1.0 | 18.6% |
| Wound infection | 63 | 12672 | 3.8 | 3.1 | 4.7 | 71.0% |
| Incisional hernia | 43 | 7669 | 2.3 | 1.7 | 3.1 | 72.5% |
| Seroma | 11 | 2588 | 1.6 | 0.7 | 3.6 | 91.4% |
| Hematoma | 7 | 967 | 1.1 | 0.5 | 2.8 | 57.2% |
| Adhesions | 3 | 689 | 1.3 | 0.7 | 2.5 | 0.0% |
| Hypertrophic scar/Keloid | 8 | 1240 | 3.9 | 2.9 | 5.1 | 25.4% |
| Delayed wound healing | 2 | 524 | 1.5 | 0.8 | 3.0 | 0.0% |
| **Hepato-pancreatic complications** | 62 | 19463 | 2.1 | 1.4 | 3.1 | 93.6% |
| Pancreatitis/Hyperamylasemia | 8 | 2595 | 0.7 | 0.4 | 1.1 | 0.0% |
| Cholangitis | 1 | 429 | 0.2 | 0.0 | 1.6 | - |
| Ascites | 18 | 7464 | 1.1 | 0.7 | 1.7 | 67.8% |
| Rotation of liver | 2 | 1315 | 0.2 | 0.0 | 0.6 | 0.0% |
| Hepatic outflow obstruction | 1 | 452 | 0.2 | 0.0 | 1.6 | - |
| Hyperbilirubinemia | 14 | 3766 | 2.7 | 1.0 | 7.0 | 94.6% |
| Hypophosphatemia | 2 | 322 | 0.6 | 0.2 | 2.4 | 0.0% |
| Portal vein thrombosis | 27 | 7291 | 0.5 | 0.3 | 0.7 | 18.0% |
| Portal vein stenosis | 3 | 1672 | 0.4 | 0.2 | 0.8 | 0.0% |
| MHV thrombosis | 5 | 1275 | 0.8 | 0.4 | 1.5 | 0.0% |
| Budd-Chiari syndrome | 2 | 908 | 0.6 | 0.2 | 2.0 | 63.8% |
| Drug-induced hepatotoxicity | 3 | 1572 | 0.9 | 0.5 | 1.5 | 0.0% |
| Blood in drain | 3 | 1129 | 1.5 | 0.9 | 2.4 | 33.5% |
| Transaminitis | 1 | 40 | 2.5 | 0.4 | 15.7 | - |
| Transient liver insufficiency | 14 | 8347 | 1.7 | 0.6 | 4.7 | 96.3% |
| Post Hepatectomy Liver Failure | 4 | 222 | 5.4 | 1.9 | 14.3 | 72.4% |
| Hepatic encephalopathy | 4 | 1964 | 0.3 | 0.1 | 0.7 | 0.0% |
| **Vascular** | 20 | 5214 | 1.0 | 0.7 | 1.4 | 16.0% |
| Deep vein thrombosis | 9 | 3089 | 0.7 | 0.5 | 1.1 | 0.0% |
| Thrombophlebitis | 1 | 30 | 3.3 | 0.5 | 20.2 | - |
| IVC thrombosis | 5 | 1504 | 0.5 | 0.3 | 1.1 | 0.0% |
| **Renal** | 23 | 4451 | 2.0 | 1.4 | 2.9 | 53.5% |
| Renal failure | 2 | 800 | 0.3 | 0.1 | 1.0 | 0.0% |
| Acute kidney injury | 2 | 190 | 1.1 | 0.3 | 4.1 | 0.0% |
| UTI | 17 | 3252 | 2.3 | 1.6 | 3.3 | 39.7% |
| Kidney stone | 2 | 184 | 1.1 | 0.3 | 4.2 | 0.0% |
| Urine retention | 4 | 1856 | 1.5 | 1.0 | 2.1 | 0.0% |
| **Cardiovascular** | 15 | 15404 | 0.7 | 0.3 | 1.3 | 83.2% |
| Arrhythmia | 8 | 1767 | 0.5 | 0.2 | 1.3 | 13.0% |
| ACS | 3 | 13023 | 0.2 | 0.1 | 0.3 | 0.0% |
| Pericardial effusion | 3 | 607 | 0.5 | 0.2 | 1.5 | 55.5% |
| **Psychological** | 27 | 16733 | 6.5 | 3.8 | 10.8 | 96.2% |
| Depression | 27 | 16733 | 3.8 | 2.2 | 6.3 | 93.6% |
| Anxiety | 11 | 2067 | 4.0 | 1.7 | 8.9 | 89.7% |
| Substance abuse | 6 | 1450 | 2.0 | 0.7 | 5.6 | 82.2% |

**Legend**: LDLT – Living Donor Liver Transplant; LCI – Lower confidence interval; UCI – Upper confidence interval; GERD – Gastroesophageal reflux disease; MHV – Middle hepatic vein; IVC – Inferior vena cava; UTI – Urinary tract infection; ACS – Acute coronary syndrome