

**UNIVERZITA KARLOVA
FARMACEUTICKÁ FAKULTA V HRADCI KRÁLOVÉ
KATEDRA BIOFYZIKY A FYZIKÁLNÍ CHEMIE**

DIPLOMOVÁ PRÁCE

**Stanovení hladin mastných kyselin ve vybraných
tkáních
Příloha**

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Seznam zkratek

| | |
|----------------------|--|
| C12:0 | kyselina laurová |
| C14:0 | kyselina myristová |
| PA | kyselina palmitová |
| POA | kyselina palmitolejová |
| SA | kyselina stearová |
| OA | kyselina olejová |
| LA | kyselina linolová |
| GLA | kyselina γ -linolenová |
| ALA | kyselina α -linolenová |
| DGLA | kyselina dihomo- γ -linolenová |
| AA | kyselina arachidonová |
| EPA | kyselina eikosapentaenová |
| DHA | kyselina dokosahexaenová |
| tSFA [%] | suma nasycených mastných kyselin [%] |
| tMUFA [%] | suma nasycených mononenasycených mastných kyselin [%] |
| ω -3 PUFA [%] | suma ω -3 polynenasycených mastných kyselin [%] |
| ω -6 PUFA [%] | suma ω -6 polynenasycených mastných kyselin [%] |
| Δ -9 | poměr kyseliny olejové a kyseliny stearové |
| AA/EPA | poměr kyseliny arachidonové a kyseliny eikosapentaenové |
| Δ -5 | poměr kyseliny arachidonové a dihomo- γ -linolenové |

1 Subendokardiální tkáň

1.1 Mastné kyseliny v subendokardiální tkáni – skupina A

Tabulka 1 Mastné kyseliny v srdci ve skupině A – plocha pod píkem (vlastní zpracování)

| AUC Subendokardiální tkáň – skupina A | | | | | | | | | | | | | |
|---------------------------------------|--------|---------|----------|---------|---------|----------|----------|--------|---------|--------|----------|--------|---------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| 1. | 29,994 | 136,850 | 1797,601 | 276,473 | 877,855 | 2899,686 | 1824,846 | 14,367 | 110,879 | 39,968 | 1070,599 | 27,092 | 172,819 |
| 2. | 17,641 | 32,292 | 619,210 | 34,703 | 378,662 | 635,331 | 680,931 | 3,963 | 23,948 | 19,587 | 579,287 | 17,852 | 55,455 |
| 3. | 89,804 | 89,804 | 89,804 | 89,804 | 89,804 | 89,804 | 89,804 | 89,804 | 89,804 | 89,804 | 89,804 | 89,804 | 89,804 |
| 4. | 13,120 | 50,885 | 874,117 | 60,964 | 517,312 | 901,427 | 936,328 | 4,963 | 36,552 | 29,890 | 644,883 | 16,731 | 71,329 |
| 5. | 36,728 | 147,033 | 1415,244 | 183,609 | 734,818 | 1938,824 | 1291,207 | 5,963 | 70,900 | 28,659 | 769,492 | 21,752 | 136,917 |
| 6. | 12,948 | 49,617 | 551,897 | 48,253 | 228,027 | 587,056 | 433,656 | 1,107 | 28,430 | 9,512 | 210,598 | 6,642 | 24,438 |
| 7. | 0,202 | 154,531 | 1837,760 | 226,481 | 766,699 | 2948,752 | 1593,552 | 10,900 | 109,496 | 36,903 | 845,167 | 68,922 | 91,322 |
| 8. | 24,323 | 84,838 | 799,741 | 130,698 | 284,318 | 853,202 | 509,003 | 2,081 | 0,314 | 11,651 | 346,585 | 11,508 | 32,504 |
| 9. | 4,325 | 24,369 | 199,995 | 24,183 | 62,568 | 326,063 | 112,117 | 1,070 | 15,216 | 2,142 | 30,724 | 2,541 | 5,235 |
| 10. | 20,745 | 102,567 | 1217,783 | 126,081 | 577,273 | 1743,416 | 950,890 | 6,059 | 65,469 | 35,779 | 572,258 | 25,233 | 60,614 |
| 11. | 9,665 | 35,926 | 714,667 | 47,638 | 486,206 | 596,217 | 872,258 | 3,557 | 22,367 | 20,486 | 662,718 | 22,825 | 74,314 |
| 12. | 26,629 | 26,629 | 26,629 | 26,629 | 26,629 | 26,629 | 26,629 | 26,629 | 26,629 | 26,629 | 26,629 | 26,629 | 26,629 |

Tabulka 2 Mastné kyseliny v srdci ve skupině A – procentuální zastoupení (vlastní zpracování)

| [%] Subendokardiální tkáň – skupina A | | | | | | | | | | | | | |
|---------------------------------------|-------|-------|--------|-------|--------|--------|--------|-------|-------|-------|--------|-------|-------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| 1. | 0,323 | 1,475 | 19,373 | 2,980 | 9,461 | 31,250 | 19,666 | 0,155 | 1,195 | 0,431 | 11,538 | 0,292 | 1,862 |
| 2. | 0,569 | 1,042 | 19,982 | 1,120 | 12,219 | 20,502 | 21,974 | 0,128 | 0,773 | 0,632 | 18,694 | 0,576 | 1,790 |
| 3. | 0,660 | 3,372 | 25,553 | 4,586 | 7,405 | 38,000 | 12,188 | 0,133 | 1,416 | 0,324 | 5,364 | 0,252 | 0,748 |
| 4. | 0,315 | 1,224 | 21,020 | 1,466 | 12,440 | 21,677 | 22,516 | 0,119 | 0,879 | 0,719 | 15,508 | 0,402 | 1,715 |
| 5. | 0,542 | 2,168 | 20,870 | 2,708 | 10,836 | 28,591 | 19,041 | 0,088 | 1,046 | 0,423 | 11,348 | 0,321 | 2,019 |
| 6. | 0,591 | 2,263 | 25,176 | 2,201 | 10,402 | 26,780 | 19,782 | 0,050 | 1,297 | 0,434 | 9,607 | 0,303 | 1,115 |
| 7. | 0,002 | 1,778 | 21,146 | 2,606 | 8,822 | 33,930 | 18,336 | 0,125 | 1,260 | 0,425 | 9,725 | 0,793 | 1,051 |
| 8. | 0,787 | 2,745 | 25,875 | 4,229 | 9,199 | 27,605 | 16,469 | 0,067 | 0,010 | 0,377 | 11,214 | 0,372 | 1,052 |
| 9. | 0,534 | 3,006 | 24,674 | 2,984 | 7,719 | 40,227 | 13,832 | 0,132 | 1,877 | 0,264 | 3,791 | 0,313 | 0,646 |
| 10. | 0,377 | 1,863 | 22,125 | 2,291 | 10,488 | 31,674 | 17,276 | 0,110 | 1,189 | 0,650 | 10,397 | 0,458 | 1,101 |
| 11. | 0,271 | 1,007 | 20,025 | 1,335 | 13,624 | 16,706 | 24,441 | 0,100 | 0,627 | 0,574 | 18,570 | 0,640 | 2,082 |
| 12. | 0,592 | 1,395 | 22,964 | 2,846 | 12,243 | 21,350 | 19,074 | 0,087 | 0,536 | 0,817 | 15,922 | 0,490 | 1,684 |

Tabulka 3 Mastné kyseliny v srdci ve skupině A – deskriptivní statistika (vlastní zpracování)

| Subendokardiální tkáň – skupina A | | | | | | | | | | | | | |
|-----------------------------------|-------|-------|--------|-------|--------|--------|--------|-------|-------|-------|--------|-------|-------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| počet hodnot | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| min. | 0,002 | 1,007 | 19,373 | 1,120 | 7,405 | 16,706 | 12,188 | 0,050 | 0,010 | 0,264 | 3,791 | 0,252 | 0,646 |
| max. | 0,787 | 3,372 | 25,875 | 4,586 | 13,624 | 40,227 | 24,441 | 0,155 | 1,877 | 0,817 | 18,694 | 0,793 | 2,082 |
| arit. průměr | 0,464 | 1,945 | 22,399 | 2,613 | 10,405 | 28,191 | 18,716 | 0,108 | 1,009 | 0,506 | 11,806 | 0,434 | 1,405 |
| SD | 0,204 | 0,749 | 2,269 | 1,012 | 1,880 | 6,942 | 3,340 | 0,029 | 0,463 | 0,162 | 4,485 | 0,158 | 0,483 |
| medián | 0,538 | 1,821 | 21,636 | 2,657 | 10,445 | 28,098 | 19,058 | 0,115 | 1,117 | 0,432 | 11,281 | 0,387 | 1,399 |
| 25% percentil | 0,321 | 1,352 | 20,659 | 2,017 | 9,105 | 21,596 | 17,074 | 0,088 | 0,736 | 0,411 | 9,695 | 0,311 | 1,051 |
| 75% percentil | 0,591 | 2,384 | 24,799 | 2,981 | 12,225 | 32,238 | 20,330 | 0,129 | 1,269 | 0,637 | 15,611 | 0,512 | 1,808 |
| normalita | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano |

Tabulka 4 Další sledované parametry v srdci ve skupině A – procentuální zastoupení (vlastní zpracování)

| Subendokardiální tkáň – skupina A | | | | | | | |
|-----------------------------------|----------|-----------|-----------------|-----------------|-------------|--------|-------------|
| | tSFA [%] | tMUFA [%] | ω -6 [%] | ω -3 [%] | Δ -9 | AA/EPA | Δ -5 |
| 1. | 30,631 | 34,229 | 31,790 | 3,349 | 3,303 | 39,517 | 26,786 |
| 2. | 33,813 | 21,622 | 41,427 | 3,138 | 1,678 | 32,449 | 29,575 |
| 3. | 36,990 | 42,586 | 18,008 | 2,416 | 5,131 | 21,295 | 16,548 |
| 4. | 34,999 | 23,143 | 38,862 | 2,997 | 1,743 | 38,544 | 21,575 |
| 5. | 34,416 | 31,299 | 30,899 | 3,385 | 2,639 | 35,376 | 26,850 |
| 6. | 38,432 | 28,981 | 29,873 | 2,715 | 2,575 | 31,707 | 22,140 |
| 7. | 31,749 | 36,536 | 28,611 | 3,104 | 3,846 | 12,263 | 22,902 |
| 8. | 38,606 | 31,834 | 28,126 | 1,434 | 3,001 | 30,117 | 29,747 |
| 9. | 35,933 | 43,211 | 18,019 | 2,837 | 5,211 | 12,091 | 14,344 |
| 10. | 34,853 | 33,965 | 28,433 | 2,749 | 3,020 | 22,679 | 15,994 |
| 11. | 34,926 | 18,041 | 43,684 | 3,349 | 1,226 | 29,035 | 32,350 |
| 12. | 37,194 | 24,196 | 35,901 | 2,710 | 1,744 | 32,496 | 19,494 |

Tabulka 5 Další sledované parametry v srdci ve skupině A – deskriptivní statistika (vlastní zpracování)

| Subendokardiální tkáň – skupina A | | | | | | | |
|-----------------------------------|----------|-----------|-----------------|-----------------|-------------|--------|-------------|
| | tSFA [%] | tMUFA [%] | ω -6 [%] | ω -3 [%] | Δ -9 | AA/EPA | Δ -5 |
| počet hodnot | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| min. | 30,631 | 18,041 | 18,008 | 1,434 | 1,226 | 12,091 | 14,344 |
| max. | 38,606 | 43,211 | 43,684 | 3,385 | 5,211 | 39,517 | 32,350 |
| arit. průměr | 35,212 | 23,192 | 31,136 | 2,849 | 2,926 | 28,131 | 23,192 |
| SD | 2,333 | 5,669 | 7,719 | 0,516 | 1,243 | 8,810 | 5,669 |
| medián | 34,963 | 22,521 | 30,386 | 2,917 | 2,820 | 30,912 | 22,521 |
| 25% percentil | 34,265 | 18,757 | 28,356 | 2,713 | 1,744 | 22,333 | 18,757 |
| 75% percentil | 37,041 | 27,531 | 36,641 | 3,191 | 3,439 | 33,216 | 27,531 |
| normalita | ano | ano | ano | ano | ano | ano | ano |

1.2 Mastné kyseliny v subendokardiální tkáni – skupina B

Tabulka 6 Mastné kyseliny v srdci ve skupině B – plocha pod píkem (vlastní zpracování)

| AUC Subendokardiální tkáň – skupina B | | | | | | | | | | | | | |
|---------------------------------------|--------|---------|----------|---------|----------|----------|----------|--------|---------|--------|----------|--------|---------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| 1. | 34,176 | 172,406 | 2807,436 | 298,985 | 1632,356 | 3906,429 | 2633,411 | 46,055 | 169,245 | 89,102 | 1947,294 | 72,870 | 253,579 |
| 2. | 23,935 | 116,608 | 1421,649 | 194,171 | 586,999 | 1864,737 | 932,139 | 17,586 | 58,145 | 31,346 | 562,270 | 23,668 | 100,688 |
| 3. | 18,425 | 36,088 | 552,371 | 42,617 | 337,691 | 493,915 | 507,505 | 2,477 | 22,188 | 14,005 | 465,141 | 41,817 | 51,429 |
| 4. | 24,297 | 82,395 | 1186,161 | 87,902 | 644,792 | 1415,220 | 1121,608 | 2,927 | 48,084 | 45,081 | 931,741 | 33,700 | 106,948 |
| 5. | 8,207 | 67,321 | 1569,811 | 183,648 | 748,504 | 1421,007 | 823,390 | 5,868 | 33,245 | 62,445 | 869,885 | 18,140 | 63,592 |
| 6. | 29,798 | 167,639 | 2599,848 | 372,768 | 1428,916 | 3391,200 | 2182,023 | 16,175 | 108,716 | 81,313 | 2131,658 | 93,563 | 388,490 |
| 7. | 43,331 | 201,794 | 2175,287 | 290,070 | 1320,060 | 3157,443 | 1809,625 | 14,472 | 107,844 | 55,456 | 1652,471 | 49,122 | 330,697 |
| 8. | 25,291 | 102,552 | 1547,873 | 159,439 | 685,939 | 1881,934 | 1112,469 | 5,612 | 54,686 | 30,113 | 908,224 | 24,329 | 141,144 |

Tabulka 7 Mastné kyseliny v srdci ve skupině B – procentuální zastoupení (vlastní zpracování)

| [%] Subendokardiální tkáň – skupina B | | | | | | | | | | | | | |
|---------------------------------------|-------|-------|--------|-------|--------|--------|--------|-------|-------|--------------|--------|--------------|-------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| 1. | 0,387 | 1,800 | 19,409 | 2,588 | 11,778 | 28,172 | 16,146 | 0,129 | 0,962 | 0,495 | 14,744 | 0,438 | 2,951 |
| 2. | 0,229 | 1,290 | 20,011 | 2,869 | 10,998 | 26,102 | 16,795 | 0,124 | 0,837 | 0,626 | 16,407 | 0,720 | 2,990 |
| 3. | 0,243 | 1,226 | 19,963 | 2,126 | 11,607 | 27,777 | 18,725 | 0,327 | 1,203 | 0,634 | 13,847 | 0,518 | 1,803 |
| 4. | 0,140 | 1,146 | 26,720 | 3,126 | 12,740 | 24,187 | 14,015 | 0,100 | 0,566 | 1,063 | 14,806 | 0,309 | 1,082 |
| 5. | 0,713 | 1,396 | 21,363 | 1,648 | 13,060 | 19,102 | 19,628 | 0,096 | 0,858 | 0,542 | 17,989 | 1,617 | 1,989 |
| 6. | 0,424 | 1,438 | 20,698 | 1,534 | 11,251 | 24,695 | 19,571 | 0,051 | 0,839 | 0,787 | 16,258 | 0,588 | 1,866 |
| 7. | 0,403 | 1,965 | 23,958 | 3,272 | 9,892 | 31,425 | 15,709 | 0,296 | 0,980 | 0,528 | 9,475 | 0,399 | 1,697 |
| 8. | 0,379 | 1,535 | 23,173 | 2,387 | 10,269 | 28,174 | 16,655 | 0,084 | 0,819 | 0,451 | 13,597 | 0,364 | 2,113 |

Tabulka 8 Mastné kyseliny v srdci ve skupině B – deskriptivní statistika (vlastní zpracování)

| Subendokardiální tkáň – skupina B | | | | | | | | | | | | | |
|-----------------------------------|-------|-------|--------|-------|--------|--------|--------|-------|-------|-------|--------|-------|-------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| počet hodnot | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 7 | 8 |
| min. | 0,140 | 1,146 | 19,409 | 1,534 | 9,892 | 19,102 | 14,015 | 0,051 | 0,566 | 0,451 | 9,475 | 0,309 | 1,082 |
| max. | 0,713 | 1,965 | 26,720 | 3,272 | 13,060 | 31,425 | 19,628 | 0,327 | 1,203 | 0,787 | 17,989 | 0,720 | 2,990 |
| arit. průměr | 0,365 | 1,475 | 21,912 | 2,444 | 11,450 | 26,204 | 17,155 | 0,151 | 0,883 | 0,580 | 14,641 | 0,477 | 2,061 |
| SD | 0,162 | 0,265 | 2,354 | 0,604 | 1,028 | 3,433 | 1,863 | 0,096 | 0,169 | 0,104 | 2,382 | 0,132 | 0,598 |
| medián | 0,383 | 1,417 | 21,030 | 2,488 | 11,429 | 26,940 | 16,725 | 0,112 | 0,849 | 0,542 | 14,775 | 0,438 | 1,928 |
| 25% percentil | 0,383 | 1,274 | 19,999 | 2,007 | 10,816 | 24,568 | 16,037 | 0,093 | 0,832 | 0,512 | 13,784 | 0,382 | 1,777 |
| 75% percentil | 0,409 | 1,602 | 23,369 | 2,933 | 12,019 | 28,173 | 18,937 | 0,171 | 0,967 | 0,630 | 16,296 | 0,553 | 2,322 |
| normalita | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano |

Tabulka 9 Další sledované parametry v srdci ve skupině B – procentuální zastoupení (vlastní zpracování)

| Subendokardiální tkáň – skupina B | | | | | | | |
|-----------------------------------|----------|-----------|-----------------|-----------------|-------------|--------|-------------|
| | tSFA [%] | tMUFA [%] | ω -6 [%] | ω -3 [%] | Δ -9 | AA/EPA | Δ -5 |
| 1. | 33,374 | 30,760 | 31,514 | 4,351 | 2,392 | 33,640 | 29,798 |
| 2. | 32,529 | 28,971 | 33,953 | 4,547 | 2,373 | 22,783 | 26,215 |
| 3. | 33,039 | 29,903 | 33,533 | 3,525 | 2,393 | 26,723 | 21,855 |
| 4. | 40,746 | 27,313 | 28,921 | 1,957 | 1,898 | 47,954 | 13,930 |
| 5. | 36,531 | 20,750 | 38,254 | 2,847 | 1,463 | 11,123 | 33,212 |
| 6. | 33,811 | 26,229 | 36,667 | 3,293 | 2,195 | 27,648 | 20,668 |
| 7. | 36,219 | 34,697 | 26,009 | 3,076 | 3,177 | 23,757 | 17,938 |
| 8. | 35,356 | 30,561 | 30,787 | 3,296 | 2,744 | 37,331 | 30,161 |

Tabulka 10 Další sledované parametry v srdci ve skupině B – deskriptivní statistika (vlastní zpracování)

| Subendokardiální tkáň – skupina B | | | | | | | |
|-----------------------------------|----------|-----------|-----------------|-----------------|-------------|--------|-------------|
| | tSFA [%] | tMUFA [%] | ω -6 [%] | ω -3 [%] | Δ -9 | AA/EPA | Δ -5 |
| počet hodnot | 8 | 8 | 7 | 7 | 8 | 8 | 7 |
| min. | 32,529 | 20,750 | 26,009 | 1,957 | 1,463 | 22,783 | 17,938 |
| max. | 40,746 | 34,697 | 38,254 | 4,547 | 3,177 | 47,953 | 33,212 |
| arit. průměr | 35,201 | 25,6692 | 32,960 | 3,435 | 2,330 | 31,405 | 25,692 |
| SD | 2,516 | 5,261 | 3,746 | 0,796 | 0,481 | 8,305 | 5,261 |
| medián | 34,583 | 26,215 | 33,533 | 3,296 | 2,383 | 27,648 | 26,215 |
| 25% percentil | 33,290 | 21,261 | 31,150 | 3,184 | 121 | 25,240 | 21,261 |
| 75% percentil | 36,297 | 29,980 | 35,310 | 3,938 | 2,481 | 35,486 | 29,979 |
| normalita | ano | ano | ano | ano | ano | ano | ano |

2 Tkáň parenchymu jater

2.1 Mastné kyseliny v tkáni parenchymu jater – skupina A

Tabulka 11 Mastné kyseliny v játrech ve skupině A – plocha pod píkem (vlastní zpracování)

| AUC Tkáň parenchymu jater – skupina A | | | | | | | | | | | | | |
|---------------------------------------|--------|---------|----------|---------|----------|----------|----------|-------|---------|---------|---------|--------|---------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| 1. | 22,308 | 71,254 | 1951,547 | 180,508 | 1038,285 | 1452,681 | 1459,684 | 8,694 | 64,161 | 90,770 | 782,617 | 23,937 | 331,512 |
| 2. | 12,154 | 54,032 | 1620,886 | 96,034 | 775,745 | 1421,362 | 1230,970 | 3,578 | 45,927 | 92,908 | 589,146 | 15,609 | 152,356 |
| 3. | 24,390 | 146,657 | 1511,684 | 131,599 | 661,771 | 1039,564 | 698,929 | 4,051 | 43,402 | 81,385 | 384,336 | 19,112 | 158,490 |
| 4. | 48,845 | 312,083 | 2554,284 | 361,986 | 518,861 | 2082,881 | 649,966 | 2,042 | 47,758 | 28,654 | 144,390 | 7,182 | 29,279 |
| 5. | 12,366 | 98,806 | 2561,665 | 215,388 | 1252,465 | 2008,472 | 1727,212 | 4,635 | 56,086 | 113,592 | 932,354 | 27,868 | 338,094 |
| 6. | 13,901 | 82,435 | 1554,238 | 116,842 | 702,692 | 1425,405 | 1212,140 | 3,648 | 104,979 | 54,343 | 430,335 | 12,805 | 185,812 |
| 7. | 1,630 | 9,521 | 142,542 | 17,477 | 53,535 | 191,701 | 85,106 | 2,185 | 6,062 | 6,425 | 35,973 | 1,733 | 11,357 |
| 8. | 12,205 | 58,348 | 1930,499 | 159,166 | 861,410 | 1410,250 | 1074,878 | 5,200 | 32,138 | 85,280 | 756,416 | 25,775 | 204,393 |
| 9. | 3,006 | 16,862 | 169,443 | 20,775 | 51,462 | 165,572 | 56,950 | 0,626 | 5,177 | 5,353 | 23,777 | 1,514 | 6,403 |
| 10. | 13,275 | 96,656 | 2271,437 | 170,336 | 972,667 | 2604,638 | 1331,916 | 4,197 | 67,788 | 146,116 | 666,457 | 16,643 | 158,136 |
| 11. | 66,872 | 263,408 | 3353,979 | 410,926 | 1212,870 | 2202,728 | 1479,868 | 5,797 | 64,044 | 86,884 | 699,209 | 38,187 | 182,396 |
| 12. | 1,883 | 22,810 | 266,782 | 60,166 | 59,842 | 211,504 | 53,140 | 0,696 | 3,610 | 4,704 | 21,219 | 3,580 | 5,240 |

Tabulka 12 Mastné kyseliny v játrech ve skupině A – procentuální zastoupení (vlastní zpracování)

| [%] Tkáň parenchymu jater – skupina A | | | | | | | | | | | | | |
|---------------------------------------|-------|-------|--------|--------------|--------|--------|--------|--------------|--------------|-------|--------|-------|-------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| 1. | 0,199 | 0,884 | 26,525 | 1,572 | 12,695 | 23,260 | 20,144 | 0,059 | 0,752 | 1,520 | 9,641 | 0,255 | 2,493 |
| 2. | 0,497 | 2,990 | 30,817 | 2,683 | 13,491 | 21,192 | 14,248 | 0,083 | 0,885 | 1,659 | 7,835 | 0,390 | 3,231 |
| 3. | 0,720 | 4,597 | 37,628 | 5,333 | 7,644 | 30,684 | 9,575 | 0,030 | 0,704 | 0,422 | 2,127 | 0,106 | 0,431 |
| 4. | 0,132 | 1,057 | 27,400 | 2,304 | 13,397 | 21,483 | 18,475 | 0,050 | 0,600 | 1,215 | 9,973 | 0,298 | 3,616 |
| 5. | 0,236 | 1,397 | 26,345 | 1,981 | 11,911 | 24,161 | 20,546 | 0,062 | 1,779 | 0,921 | 7,294 | 0,217 | 3,150 |
| 6. | 0,288 | 1,684 | 25,218 | 3,092 | 9,471 | 33,915 | 15,056 | 0,387 | 1,072 | 1,137 | 6,364 | 0,307 | 2,009 |
| 7. | 0,184 | 0,882 | 29,179 | 2,406 | 13,020 | 21,316 | 16,247 | 0,079 | 0,486 | 1,289 | 11,433 | 0,390 | 3,089 |
| 8. | 0,570 | 3,200 | 32,157 | 3,943 | 9,767 | 31,423 | 10,808 | 0,119 | 0,983 | 1,016 | 4,512 | 0,287 | 1,215 |
| 9. | 0,156 | 1,134 | 26,659 | 1,999 | 11,416 | 30,570 | 15,632 | 0,049 | 0,796 | 1,715 | 7,822 | 0,195 | 1,856 |
| 10. | 0,664 | 2,617 | 33,316 | 4,082 | 12,048 | 21,880 | 14,700 | 0,058 | 0,636 | 0,863 | 6,945 | 0,379 | 1,812 |
| 11. | 0,263 | 3,189 | 37,303 | 8,413 | 8,367 | 29,574 | 7,430 | 0,097 | 0,505 | 0,658 | 2,967 | 0,501 | 0,733 |
| 12. | 0,298 | 0,953 | 26,097 | 2,414 | 13,885 | 19,426 | 19,520 | 0,116 | 0,858 | 1,214 | 10,466 | 0,320 | 4,433 |

Tabulka 13 Mastné kyseliny v játrech ve skupině A – deskriptivní statistika (vlastní zpracování)

| Tkáň parenchymu jater – skupina A | | | | | | | | | | | | | |
|-----------------------------------|-------|-------|--------|-------|--------|--------|--------|-------|-------|-------|--------|-------|-------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| počet hodnot | 12 | 12 | 12 | 11 | 12 | 12 | 12 | 11 | 11 | 12 | 12 | 12 | 12 |
| min. | 0,132 | 0,882 | 25,218 | 1,572 | 7,644 | 19,426 | 7,430 | 0,030 | 0,486 | 0,422 | 2,127 | 0,106 | 0,431 |
| max. | 0,720 | 4,597 | 37,628 | 5,333 | 13,885 | 33,915 | 20,546 | 0,119 | 1,072 | 1,715 | 11,433 | 0,501 | 4,433 |
| arit. průměr | 0,351 | 2,049 | 29,887 | 2,892 | 11,426 | 25,740 | 15,199 | 0,073 | 0,752 | 1,136 | 7,282 | 0,304 | 0,304 |
| SD | 0,197 | 1,178 | 4,181 | 1,076 | 2,025 | 4,859 | 4,043 | 0,027 | 0,180 | 0,373 | 2,808 | 0,100 | 0,100 |
| medián | 0,276 | 1,541 | 28,290 | 2,414 | 11,979 | 23,711 | 15,344 | 0,062 | 0,752 | 1,175 | 7,558 | 0,302 | 0,302 |
| 25% percentil | 0,195 | 1,031 | 26,480 | 2,152 | 9,693 | 21,441 | 13,388 | 0,054 | 0,618 | 0,907 | 5,901 | 0,246 | 0,246 |
| 75% percentil | 0,516 | 3,040 | 32,447 | 3,517 | 13,114 | 30,598 | 18,736 | 0,090 | 0,871 | 1,347 | 9,724 | 0,382 | 0,382 |
| normalita | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano |

Tabulka 14 Další sledované parametry v játrech ve skupině A – procentuální zastoupení (vlastní zpracování)

| Tkáň parenchymu jater – skupina A | | | | | | | |
|-----------------------------------|----------|-----------|-----------------|-----------------|-------------|--------|-------------|
| | tsFA [%] | tMUFA [%] | ω -6 [%] | ω -3 [%] | Δ -9 | AA/EPA | Δ -5 |
| 1. | 40,303 | 24,832 | 31,365 | 3,500 | 1,832 | 37,744 | 6,341 |
| 2. | 47,795 | 23,875 | 23,825 | 4,505 | 1,571 | 20,110 | 4,722 |
| 3. | 50,589 | 36,016 | 12,154 | 1,241 | 4,014 | 20,104 | 5,039 |
| 4. | 41,986 | 23,787 | 29,712 | 4,514 | 1,604 | 33,456 | 8,208 |
| 5. | 39,889 | 26,142 | 28,824 | 5,146 | 2,028 | 33,607 | 7,919 |
| 6. | 36,661 | 37,006 | 22,944 | 3,388 | 3,581 | 20,758 | 5,599 |
| 7. | 43,266 | 23,722 | 29,048 | 3,965 | 1,637 | 29,347 | 8,870 |
| 8. | 45,694 | 35,365 | 16,455 | 2,485 | 3,217 | 15,705 | 4,442 |
| 9. | 39,365 | 32,569 | 25,219 | 2,847 | 2,678 | 40,044 | 4,561 |
| 10. | 48,645 | 25,962 | 22,566 | 2,827 | 1,816 | 18,310 | 8,048 |
| 11. | 49,123 | 29,574 | 11,152 | 1,738 | 3,534 | 5,927 | 4,511 |
| 12. | 41,233 | 21,840 | 31,316 | 5,611 | 1,399 | 32,695 | 8,622 |

Tabulka 15 Další sledované parametry v játrech ve skupině A – deskriptivní statistika (vlastní zpracování)

| Tkáň parenchymu jater – skupina A | | | | | | | |
|-----------------------------------|----------|-----------|-----------------|-----------------|-------------|--------|-------------|
| | tsFA [%] | tMUFA [%] | ω -6 [%] | ω -3 [%] | Δ -9 | AA/EPA | Δ -5 |
| počet hodnot | 12 | 11 | 11 | 11 | 12 | 12 | 12 |
| min. | 36,661 | 21,840 | 11,152 | 1,241 | 1,399 | 5,927 | 4,442 |
| max. | 50,589 | 37,006 | 31,365 | 5,611 | 4,014 | 40,044 | 8,870 |
| arit. průměr | 43,712 | 28,283 | 23,785 | 3,329 | 2,409 | 25,651 | 6,407 |
| SD | 4,336 | 5,463 | 7,100 | 1,226 | 0,900 | 9,866 | 1,718 |
| medián | 42,626 | 25,962 | 25,219 | 3,388 | 1,930 | 25,052 | 5,970 |
| 25% percentil | 40,200 | 23,831 | 19,511 | 2,656 | 1,629 | 19,656 | 4,682 |
| 75% percentil | 48,007 | 33,967 | 29,380 | 4,235 | 3,297 | 33,494 | 8,088 |
| normalita | ano | ano | ano | ano | ano | ano | ano |

2.2 Mastné kyseliny v tkáni parenchymu jater – skupina B

Tabulka 16 Mastné kyseliny v játrech ve skupině B – plocha pod píkem (vlastní zpracování)

| AUC Tkáň parenchymu jater – skupina B | | | | | | | | | | | | | |
|---------------------------------------|--------|---------|----------|---------|---------|----------|----------|---------|--------|---------|---------|--------|---------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| 1. | 6,623 | 49,188 | 549,442 | 83,934 | 121,245 | 773,777 | 261,178 | 1,575 | 27,965 | 11,413 | 63,805 | 3,652 | 17,079 |
| 2. | 7,715 | 67,491 | 657,003 | 122,948 | 100,279 | 687,360 | 161,615 | 1,391 | 15,196 | 3,933 | 19,383 | 1,883 | 8,506 |
| 3. | 33,906 | 238,530 | 2692,459 | 260,614 | 895,962 | 1829,315 | 1093,360 | 4,425 | 49,181 | 85,679 | 580,382 | 21,502 | 137,785 |
| 4. | 29,264 | 143,071 | 2098,915 | 132,248 | 800,530 | 2082,466 | 1203,050 | 6,515 | 61,221 | 117,339 | 523,045 | 15,695 | 175,357 |
| 5. | 1,296 | 16,979 | 227,520 | 48,682 | 47,939 | 275,088 | 48,030 | 0,524 | 4,595 | 2,071 | 15,374 | 0,715 | 6,628 |
| 6. | 4,382 | 35,979 | 281,203 | 81,068 | 77,775 | 387,987 | 87,552 | 0,981 | 8,926 | 3,664 | 24,880 | 1,916 | 11,304 |
| 7. | 28,507 | 102,017 | 1869,384 | 197,476 | 876,801 | 1696,056 | 1037,260 | 8,084 | 56,853 | 87,224 | 579,360 | 20,181 | 256,310 |
| 8. | 1,394 | 12,802 | 177,300 | 24,631 | 51,607 | 224,371 | 82,735 | 233,030 | 5,367 | 4,535 | 29,007 | 1,088 | 12,294 |

Tabulka 17 Mastné kyseliny v játrech ve skupině B – procentuální zastoupení (vlastní zpracování)

| [%] Tkáň parenchymu jater – skupina B | | | | | | | | | | | | | |
|---------------------------------------|-------|-------|--------|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| 1. | 0,336 | 2,496 | 27,878 | 4,259 | 6,152 | 39,261 | 13,252 | 0,080 | 1,419 | 0,579 | 3,237 | 0,185 | 0,867 |
| 2. | 0,416 | 3,639 | 35,424 | 6,629 | 5,407 | 37,060 | 8,714 | 0,075 | 0,819 | 0,212 | 1,045 | 0,102 | 0,459 |
| 3. | 0,428 | 3,011 | 33,982 | 3,289 | 11,308 | 23,088 | 13,800 | 0,056 | 0,621 | 1,081 | 7,325 | 0,271 | 1,739 |
| 4. | 0,396 | 1,936 | 28,407 | 1,790 | 10,834 | 28,184 | 16,282 | 0,088 | 0,829 | 1,588 | 7,079 | 0,212 | 2,373 |
| 5. | 0,186 | 2,441 | 32,716 | 7,000 | 6,893 | 39,556 | 6,906 | 0,075 | 0,661 | 0,298 | 2,211 | 0,103 | 0,953 |
| 6. | 0,435 | 3,571 | 27,908 | 8,046 | 7,719 | 38,505 | 8,689 | 0,097 | 0,886 | 0,364 | 2,469 | 0,190 | 1,122 |
| 7. | 0,418 | 1,497 | 27,428 | 2,897 | 12,865 | 24,885 | 15,219 | 0,119 | 0,834 | 1,280 | 8,501 | 0,296 | 3,761 |
| 8. | 0,162 | 1,488 | 20,612 | 2,864 | 6,000 | 26,085 | 9,619 | 27,091 | 0,624 | 0,527 | 3,372 | 0,126 | 1,429 |

Tabulka 18 Mastné kyseliny v játrech ve skupině B – deskriptivní statistika (vlastní zpracování)

| Tkáň parenchymu jater – skupina B | | | | | | | | | | | | | |
|-----------------------------------|-------|-------|--------|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| počet hodnot | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 8 | 8 | 8 | 8 |
| min. | 0,162 | 1,488 | 20,612 | 1,790 | 5,407 | 23,088 | 6,906 | 0,056 | 0,621 | 0,212 | 1,045 | 0,102 | 0,459 |
| max. | 0,435 | 3,639 | 35,424 | 8,046 | 12,865 | 39,556 | 16,282 | 0,119 | 0,886 | 1,588 | 8,501 | 0,296 | 3,761 |
| arit. průměr | 0,347 | 2,510 | 29,294 | 4,597 | 8,397 | 32,078 | 11,560 | 0,084 | 0,753 | 0,741 | 4,405 | 0,186 | 0,186 |
| SD | 0,104 | 0,795 | 4,399 | 2,162 | 2,665 | 6,683 | 3,266 | 0,018 | 0,105 | 0,476 | 2,616 | 0,069 | 0,069 |
| medián | 0,406 | 2,469 | 28,157 | 3,774 | 7,306 | 32,622 | 11,435 | 0,080 | 0,819 | 0,553 | 3,305 | 0,188 | 0,188 |
| 25% percentil | 0,299 | 1,826 | 27,766 | 2,889 | 6,114 | 25,785 | 8,708 | 0,075 | 0,642 | 0,347 | 2,406 | 0,121 | 0,121 |
| 75% percentil | 0,421 | 3,151 | 33,033 | 6,722 | 10,953 | 38,694 | 14,154 | 0,093 | 0,831 | 1,131 | 7,141 | 0,227 | 0,227 |
| normalita | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano |

Tabulka 19 Další sledované parametry v játrech ve skupině B – procentuální zastoupení (vlastní zpracování)

| Tkáň parenchymu jater – skupina B | | | | | | | |
|-----------------------------------|----------|-----------|-----------------|-----------------|-------------|--------|-------------|
| | tSFA [%] | tMUFA [%] | ω -6 [%] | ω -3 [%] | Δ -9 | AA/EPA | Δ -5 |
| 1. | 36,862 | 43,519 | 17,148 | 2,471 | 6,382 | 17,471 | 5,591 |
| 2. | 44,885 | 43,689 | 10,046 | 1,379 | 6,854 | 10,294 | 4,928 |
| 3. | 48,729 | 26,378 | 22,262 | 2,631 | 2,042 | 26,992 | 6,774 |
| 4. | 41,574 | 29,974 | 25,037 | 3,414 | 2,601 | 33,326 | 4,458 |
| 5. | 42,237 | 46,556 | 9,490 | 1,717 | 5,738 | 21,502 | 7,423 |
| 6. | 39,632 | 46,551 | 11,619 | 2,198 | 4,989 | 12,985 | 6,790 |
| 7. | 42,208 | 27,783 | 25,118 | 4,891 | 1,934 | 28,708 | 6,642 |
| 8. | 28,262 | 28,948 | 40,609 | 2,180 | 4,348 | 26,661 | 6,396 |

Tabulka 20 Další sledované parametry v játrech ve skupině B – deskriptivní statistika (vlastní zpracování)

| Tkáň parenchymu jater – skupina B | | | | | | | |
|-----------------------------------|----------|-----------|-----------------|-----------------|-------------|--------|-------------|
| | tSFA [%] | tMUFA [%] | ω -6 [%] | ω -3 [%] | Δ -9 | AA/EPA | Δ -5 |
| počet hodnot | 8 | 8 | 7 | 7 | 8 | 8 | 8 |
| min. | 28,262 | 26,378 | 9,490 | 1,379 | 1,934 | 10,294 | 4,458 |
| max. | 48,729 | 46,556 | 25,118 | 4,891 | 6,854 | 33,326 | 7,423 |
| arit. průměr | 40,549 | 36,675 | 17,246 | 2,630 | 4,361 | 22,242 | 6,125 |
| SD | 5,676 | 8,521 | 6,453 | 1,103 | 1,836 | 7,571 | 0,961 |
| medián | 41,891 | 36,747 | 17,148 | 2,198 | 4,668 | 24,081 | 6,519 |
| 25% percentil | 38,940 | 28,657 | 10,833 | 1,948 | 2,461 | 16,350 | 5,425 |
| 75% percentil | 42,899 | 28,657 | 23,650 | 3,023 | 5,899 | 27,421 | 6,778 |
| normalita | ano | ano | ano | ano | ano | ano | ano |

3 Korová část ledvin

3.1 Mastné kyseliny v tkáni korové části ledvin – skupina A

Tabulka 21 Mastné kyseliny v ledvinách ve skupině A – plocha pod píkem (vlastní zpracování)

| AUC Tkáň korové části ledvin – skupina A | | | | | | | | | | | | | |
|--|--------|---------|----------|---------|---------|----------|----------|--------|---------|--------|---------|--------|--------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| 1. | 15,034 | 89,102 | 1806,061 | 131,418 | 731,745 | 1936,860 | 813,626 | 15,924 | 52,243 | 43,553 | 510,819 | 10,756 | 38,848 |
| 2. | 16,123 | 75,063 | 892,179 | 134,449 | 329,500 | 1212,248 | 539,193 | 6,120 | 38,340 | 37,186 | 383,788 | 10,731 | 24,937 |
| 3. | 25,420 | 101,830 | 1110,558 | 163,214 | 444,988 | 1372,294 | 558,309 | 9,348 | 49,546 | 51,846 | 436,845 | 13,990 | 32,696 |
| 4. | 6,079 | 31,676 | 1010,041 | 34,481 | 524,000 | 898,081 | 668,439 | 11,428 | 24,745 | 67,570 | 594,856 | 12,405 | 39,476 |
| 5. | 67,087 | 300,546 | 2390,718 | 572,006 | 668,722 | 3686,752 | 1353,100 | 13,400 | 128,209 | 41,275 | 501,554 | 22,671 | 48,385 |
| 6. | 4,882 | 26,510 | 865,377 | 22,290 | 466,644 | 750,786 | 602,596 | 19,861 | 21,413 | 46,879 | 555,793 | 10,865 | 48,425 |
| 7. | 1,630 | 9,521 | 142,542 | 17,477 | 53,535 | 191,701 | 85,106 | 2,185 | 6,062 | 6,425 | 35,973 | 1,733 | 11,357 |
| 8. | 5,781 | 29,400 | 971,887 | 53,506 | 570,188 | 768,437 | 537,731 | 16,466 | 15,720 | 48,225 | 825,056 | 18,062 | 47,524 |
| 9. | 8,386 | 38,715 | 698,911 | 52,338 | 345,763 | 593,628 | 400,839 | 5,248 | 19,180 | 36,315 | 377,651 | 10,372 | 24,033 |
| 10. | 14,665 | 92,805 | 1404,804 | 150,206 | 582,235 | 1769,174 | 765,915 | 11,778 | 55,526 | 74,794 | 657,889 | 18,017 | 43,888 |
| 11. | 7,636 | 28,677 | 903,861 | 53,982 | 481,906 | 658,830 | 626,248 | 10,053 | 19,186 | 45,594 | 613,293 | 14,133 | 44,785 |
| 12. | 10,229 | 56,755 | 1120,114 | 125,307 | 506,029 | 933,544 | 609,642 | 10,805 | 26,121 | 74,592 | 557,376 | 20,621 | 42,400 |

Tabulka 22 Mastné kyseliny v ledvinách ve skupině A – procentuální zastoupení (vlastní zpracování)

| [%] Tkáň korové části ledvin – skupina A | | | | | | | | | | | | | |
|--|-------|-------|--------|-------|--------|--------|--------|-------|-------|-------|--------|-------|-------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| 1. | 0,243 | 1,438 | 29,149 | 2,121 | 11,810 | 31,260 | 13,131 | 0,257 | 0,843 | 0,703 | 8,244 | 0,174 | 0,627 |
| 2. | 0,436 | 2,029 | 24,114 | 3,634 | 8,906 | 32,765 | 14,573 | 0,165 | 1,036 | 1,005 | 10,373 | 0,290 | 0,674 |
| 3. | 0,582 | 2,330 | 25,408 | 3,734 | 10,181 | 31,396 | 12,773 | 0,214 | 1,134 | 1,186 | 9,994 | 0,320 | 0,748 |
| 4. | 0,155 | 0,807 | 25,745 | 0,879 | 13,356 | 22,891 | 17,038 | 0,291 | 0,631 | 1,722 | 15,162 | 0,316 | 1,006 |
| 5. | 0,685 | 3,069 | 24,409 | 5,840 | 6,828 | 37,641 | 13,815 | 0,137 | 1,309 | 0,421 | 5,121 | 0,231 | 0,494 |
| 6. | 0,142 | 0,770 | 25,139 | 0,648 | 13,556 | 21,810 | 17,506 | 0,577 | 0,622 | 1,362 | 16,146 | 0,316 | 1,407 |
| 7. | 0,203 | 0,958 | 24,671 | 1,068 | 13,075 | 20,585 | 16,293 | 0,417 | 0,588 | 1,732 | 18,631 | 0,405 | 1,376 |
| 8. | 0,148 | 0,752 | 24,869 | 1,369 | 14,590 | 19,663 | 13,760 | 0,421 | 0,402 | 1,234 | 21,112 | 0,462 | 1,216 |
| 9. | 0,321 | 1,483 | 26,764 | 2,004 | 13,241 | 22,732 | 15,350 | 0,201 | 0,734 | 1,391 | 14,462 | 0,397 | 0,920 |
| 10. | 0,260 | 1,645 | 24,900 | 2,662 | 10,320 | 31,359 | 13,576 | 0,209 | 0,984 | 1,326 | 11,661 | 0,319 | 0,778 |
| 11. | 0,218 | 0,817 | 25,764 | 1,539 | 13,737 | 18,780 | 17,851 | 0,287 | 0,547 | 1,300 | 17,482 | 0,403 | 1,277 |
| 12. | 0,250 | 1,386 | 27,363 | 3,061 | 12,362 | 22,805 | 14,893 | 0,264 | 0,638 | 1,822 | 13,616 | 0,504 | 1,036 |

Tabulka 23 Masné kyseliny v ledvinách ve skupině A – deskriptivní statistika (vlastní zpracování)

| Korová část ledvin – skupina A | | | | | | | | | | | | | |
|--------------------------------|-------|-------|--------|-------|--------|--------|--------|-------|-------|-------|--------|-------|-------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| počet hodnot | 12 | 12 | 11 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| min. | 0,142 | 0,752 | 24,114 | 0,648 | 6,828 | 18,780 | 12,773 | 0,137 | 0,402 | 0,421 | 5,121 | 0,174 | 0,494 |
| max. | 0,685 | 3,069 | 27,363 | 5,840 | 14,590 | 37,641 | 17,851 | 0,577 | 1,309 | 1,822 | 21,112 | 0,504 | 1,407 |
| arit. průměr | 0,303 | 1,457 | 25,377 | 2,380 | 11,830 | 26,141 | 15,047 | 0,287 | 0,789 | 1,267 | 13,500 | 0,345 | 0,963 |
| SD | 0,168 | 0,694 | 0,940 | 1,439 | 2,217 | 6,029 | 1,682 | 0,121 | 0,261 | 0,395 | 4,417 | 0,090 | 0,294 |
| medián | 0,246 | 1,412 | 25,139 | 2,063 | 12,718 | 22,848 | 14,733 | 0,260 | 0,686 | 1,313 | 14,039 | 0,320 | 0,963 |
| 25% percentil | 0,191 | 0,815 | 24,770 | 1,294 | 10,286 | 21,504 | 13,714 | 0,207 | 0,614 | 1,141 | 10,278 | 0,309 | 0,730 |
| 75% percentil | 0,350 | 1,741 | 25,754 | 3,204 | 13,407 | 31,368 | 16,479 | 0,323 | 0,997 | 1,474 | 16,480 | 0,403 | 1,231 |
| normalita | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano |

Tabulka 24 Další sledované parametry v ledvinách ve skupině A – procentuální zastoupení (vlastní zpracování)

| Tkáň korové části ledvin – skupina A | | | | | | | |
|--------------------------------------|---------------|-----------|-----------------|-----------------|-------------|--------|-------------|
| | tSFA [%] | tMUFA [%] | ω -6 [%] | ω -3 [%] | Δ -9 | AA/EPA | Δ -5 |
| 1. | 42,640 | 33,381 | 22,336 | 1,644 | 2,647 | 47,492 | 11,729 |
| 2. | 35,484 | 36,399 | 26,117 | 2,000 | 3,679 | 35,764 | 10,321 |
| 3. | 38,500 | 35,130 | 24,168 | 2,202 | 3,084 | 31,226 | 8,426 |
| 4. | 40,063 | 23,770 | 34,214 | 1,953 | 1,714 | 47,953 | 8,804 |
| 5. | 34,990 | 43,481 | 19,494 | 2,034 | 5,513 | 22,123 | 12,152 |
| 6. | 39,607 | 22,458 | 35,590 | 2,344 | 1,609 | 51,154 | 11,856 |
| 7. | 38,907 | 21,653 | 37,072 | 2,368 | 1,574 | 46,056 | 10,759 |
| 8. | 40,360 | 21,032 | 36,527 | 2,081 | 1,348 | 45,679 | 17,108 |
| 9. | 41,808 | 24,737 | 31,403 | 2,052 | 1,717 | 36,411 | 10,399 |
| 10. | 37,126 | 34,021 | 26,772 | 2,081 | 3,039 | 36,515 | 8,796 |
| 11. | 40,536 | 20,319 | 36,919 | 2,226 | 1,367 | 43,394 | 13,451 |
| 12. | 41,361 | 25,866 | 30,595 | 2,178 | 1,845 | 27,030 | 7,472 |

Tabulka 25 Další sledované parametry v ledvinách ve skupině A – deskriptivní statistika (vlastní zpracování)

| Tkáň korové části ledvin – skupina A | | | | | | | |
|--------------------------------------|----------|-----------|-----------------|-----------------|-------------|--------|-------------|
| | tSFA [%] | tMUFA [%] | ω -6 [%] | ω -3 [%] | Δ -9 | AA/EPA | Δ -5 |
| počet hodnot | 11 | 12 | 12 | 12 | 12 | 12 | 12 |
| min. | 34,990 | 20,319 | 19,494 | 1,644 | 1,348 | 22,123 | 7,472 |
| max. | 41,808 | 43,481 | 37,072 | 2,368 | 5,513 | 51,154 | 17,108 |
| arit. průměr | 38,977 | 28,521 | 30,101 | 2,097 | 2,428 | 39,233 | 10,940 |
| SD | 2,161 | 7,272 | 5,918 | 0,185 | 1,170 | 8,780 | 2,508 |
| medián | 39,607 | 25,302 | 30,999 | 2,081 | 1,781 | 39,955 | 10,579 |
| 25% percentil | 37,813 | 22,257 | 25,630 | 2,026 | 1,600 | 34,630 | 8,802 |
| 75% percentil | 40,448 | 34,299 | 35,824 | 2,208 | 3,050 | 46,415 | 11,930 |
| normalita | ano | ano | ano | ano | ano | ano | ano |

3.2 Mastné kyseliny v korové části ledvin – skupina B

Tabulka 26 Mastné kyseliny v ledvinách ve skupině B – plocha pod píkem (vlastní zpracování)

| AUC Tkáň korové části ledvin – skupina B | | | | | | | | | | | | | |
|--|--------|---------|----------|---------|----------|----------|----------|--------|--------|---------|----------|---------|---------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| 1. | 7,133 | 28,874 | 514,448 | 19,438 | 216,616 | 387,626 | 267,176 | 40,698 | 10,148 | 16,072 | 227,087 | 4,607 | 11,920 |
| 2. | 13,536 | 91,982 | 1246,834 | 149,703 | 383,655 | 1125,785 | 495,814 | 5,402 | 28,243 | 33,467 | 363,878 | 9,457 | 33,098 |
| 3. | 6,345 | 19,338 | 470,624 | 29,561 | 239,358 | 371,122 | 294,515 | 3,437 | 10,920 | 23,635 | 302,485 | 6,293 | 19,895 |
| 4. | 9,641 | 46,840 | 1072,106 | 27,214 | 527,263 | 947,637 | 649,670 | 26,498 | 30,548 | 85,059 | 666,819 | 15,559 | 55,798 |
| 5. | 8,207 | 67,321 | 1569,811 | 166,086 | 748,504 | 1401,570 | 737,303 | 11,277 | 33,245 | 62,445 | 869,885 | 18,140 | 53,700 |
| 6. | 25,712 | 166,308 | 2538,967 | 381,589 | 1109,976 | 2606,114 | 1322,771 | 33,350 | 86,545 | 121,185 | 1287,369 | 32,817 | 131,025 |
| 7. | 14,331 | 78,241 | 2253,802 | 145,016 | 1287,599 | 2147,152 | 1534,131 | 40,793 | 67,813 | 127,282 | 1780,761 | 213,557 | 154,606 |
| 8. | 5,868 | 22,154 | 790,895 | 39,231 | 457,385 | 615,664 | 437,447 | 24,070 | 11,080 | 42,550 | 558,283 | 9,476 | 39,788 |

Tabulka 27 Mastné kyseliny v ledvinách ve skupině B – procentuální zastoupení (vlastní zpracování)

| [%] Tkáň korové části ledvin – skupina B | | | | | | | | | | | | | |
|--|-------|-------|--------|-------|--------|--------|--------|-------|-------|-------|--------|-------|-------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| 1. | 0,146 | 0,795 | 22,893 | 1,473 | 13,079 | 21,809 | 15,583 | 0,414 | 0,689 | 1,293 | 18,088 | 2,169 | 1,570 |
| 2. | 0,261 | 1,689 | 25,793 | 3,876 | 11,276 | 26,475 | 13,438 | 0,339 | 0,879 | 1,231 | 13,078 | 0,333 | 1,331 |
| 3. | 0,407 | 1,648 | 29,366 | 1,110 | 12,365 | 22,127 | 15,251 | 2,323 | 0,579 | 0,917 | 12,963 | 0,263 | 0,680 |
| 4. | 0,143 | 1,171 | 27,313 | 2,890 | 13,023 | 24,386 | 12,828 | 0,196 | 0,578 | 1,086 | 15,135 | 0,316 | 0,934 |
| 5. | 0,353 | 1,076 | 26,182 | 1,645 | 13,316 | 20,646 | 16,384 | 0,191 | 0,608 | 1,315 | 16,828 | 0,350 | 1,107 |
| 6. | 0,232 | 1,126 | 25,768 | 0,654 | 12,673 | 22,776 | 15,615 | 0,637 | 0,734 | 2,044 | 16,027 | 0,374 | 1,341 |
| 7. | 0,340 | 2,311 | 31,321 | 3,761 | 9,638 | 28,280 | 12,455 | 0,136 | 0,709 | 0,841 | 9,141 | 0,238 | 0,831 |
| 8. | 0,192 | 0,725 | 25,898 | 1,285 | 14,977 | 20,160 | 14,324 | 0,788 | 0,363 | 1,393 | 18,281 | 0,310 | 1,303 |

Tabulka 28 Mastné kyseliny v ledvinách ve skupině B – deskriptivní statistika (vlastní zpracování)

| Tkáň korové části ledvin – skupina B | | | | | | | | | | | | | |
|--------------------------------------|-------|-------|--------|-------|--------|--------|--------|-------|-------|-------|--------|-------|-------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| počet hodnot | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 8 | 7 | 8 |
| min. | 0,143 | 0,725 | 22,893 | 0,654 | 9,638 | 20,160 | 12,455 | 0,136 | 0,363 | 0,841 | 9,141 | 0,238 | 0,680 |
| max. | 0,407 | 2,311 | 31,321 | 3,876 | 14,977 | 28,280 | 16,384 | 0,788 | 0,879 | 2,044 | 18,281 | 0,374 | 1,570 |
| arit. průměr | 0,259 | 1,318 | 26,817 | 2,087 | 12,543 | 23,332 | 14,485 | 0,386 | 0,642 | 1,265 | 14,943 | 0,312 | 1,137 |
| SD | 0,093 | 0,497 | 2,393 | 1,166 | 1,464 | 2,665 | 1,354 | 0,228 | 0,141 | 0,347 | 2,891 | 0,044 | 0,283 |
| medián | 0,246 | 1,149 | 26,040 | 1,559 | 12,848 | 88,451 | 14,788 | 0,339 | 0,648 | 1,262 | 15,581 | 0,316 | 1,205 |
| 25% percentil | 0,181 | 1,006 | 25,786 | 1,241 | 12,093 | 21,519 | 13,285 | 0,194 | 0,597 | 1,044 | 13,049 | 0,287 | 0,910 |
| 75% percentil | 0,343 | 1,659 | 27,826 | 3,107 | 13,138 | 24,908 | 15,591 | 0,526 | 0,716 | 1,334 | 17,143 | 0,342 | 1,333 |
| normalita | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano |

Tabulka 29 Další sledované parametry v ledvinách ve skupině B – procentuální zastoupení (vlastní zpracování)

| Tkáň korové části ledvín – skupina B | | | | | | | |
|--------------------------------------|----------|-----------|-----------------|-----------------|-------------|--------|-------------|
| | tSFA [%] | tMUFA [%] | ω -6 [%] | ω -3 [%] | Δ -9 | AA/EPA | Δ -5 |
| 1. | 36,912 | 23,282 | 35,378 | 4,428 | 1,668 | 8,339 | 13,991 |
| 2. | 39,019 | 30,351 | 28,086 | 2,544 | 2,348 | 39,229 | 10,623 |
| 3. | 43,787 | 23,236 | 31,454 | 1,523 | 1,789 | 49,292 | 14,129 |
| 4. | 41,650 | 27,275 | 29,246 | 1,828 | 1,872 | 47,954 | 13,930 |
| 5. | 40,926 | 22,291 | 34,718 | 2,064 | 1,550 | 48,067 | 12,798 |
| 6. | 39,798 | 23,430 | 34,323 | 2,449 | 1,797 | 42,857 | 7,839 |
| 7. | 43,609 | 32,041 | 22,572 | 1,778 | 2,934 | 38,477 | 10,873 |
| 8. | 41,793 | 21,445 | 34,787 | 1,976 | 1,346 | 58,915 | 13,121 |

Tabulka 30 Další sledované parametry v ledvinách ve skupině B – deskriptivní statistika (vlastní zpracování)

| Tkáň korové části ledvín – skupina B | | | | | | | |
|--------------------------------------|----------|-----------|-----------------|-----------------|-------------|--------|-------------|
| | tSFA [%] | tMUFA [%] | ω -6 [%] | ω -3 [%] | Δ -9 | AA/EPA | Δ -5 |
| počet hodnot | 8 | 8 | 7 | 7 | 8 | 7 | 8 |
| min. | 36,912 | 21,445 | 22,572 | 1,523 | 1,346 | 38,477 | 7,839 |
| max. | 43,787 | 32,041 | 35,378 | 2,544 | 2,934 | 58,915 | 14,129 |
| arit. průměr | 40,937 | 25,419 | 31,301 | 2,023 | 1,913 | 46,399 | 12,163 |
| SD | 2,170 | 3,716 | 4,477 | 0,339 | 0,471 | 6,513 | 2,073 |
| medián | 41,288 | 23,356 | 34,323 | 1,976 | 1,793 | 47,954 | 12,959 |
| 25% percentil | 39,603 | 23,000 | 28,666 | 1,803 | 1,638 | 41,043 | 10,810 |
| 75% percentil | 42,247 | 28,044 | 34,753 | 2,257 | 1,991 | 48,679 | 13,945 |
| normalita | ano | ano | ano | ano | ano | ano | ano |

4 Tkáň nadledvin

4.1 Mastné kyseliny v tkáni nadledvin – skupina A

Tabulka 31 Mastné kyseliny v nadledvinách ve skupině A – plocha pod píkem (vlastní zpracování)

| AUC Tkáň nadledvin– skupina A | | | | | | | | | | | | | |
|-------------------------------|--------|---------|----------|---------|---------|----------|---------|-------|---------|--------|--------|--------|-------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| 1. | 7,835 | 31,762 | 190,091 | 41,463 | 62,936 | 447,618 | 131,968 | 2,452 | 20,314 | 28,900 | 32,898 | 20,990 | 5,091 |
| 2. | 9,952 | 55,642 | 400,634 | 41,902 | 117,450 | 1021,433 | 264,659 | 4,271 | 32,874 | 55,220 | 55,366 | 30,346 | 4,990 |
| 3. | 4,478 | 23,825 | 152,409 | 19,287 | 53,269 | 351,314 | 69,244 | 2,410 | 17,160 | 33,811 | 41,021 | 43,899 | 5,588 |
| 4. | 8,881 | 55,963 | 425,691 | 76,948 | 112,272 | 966,468 | 244,157 | 4,003 | 41,468 | 44,453 | 70,248 | 38,441 | 4,357 |
| 5. | 4,016 | 20,183 | 148,844 | 31,480 | 52,635 | 333,766 | 94,682 | 1,322 | 13,519 | 21,520 | 35,479 | 17,091 | 3,023 |
| 6. | 3,615 | 7,106 | 355,424 | 23,938 | 109,584 | 780,193 | 221,408 | 3,721 | 36,744 | 20,483 | 25,171 | 13,448 | 6,820 |
| 7. | 36,430 | 143,434 | 1211,958 | 146,956 | 283,485 | 2717,749 | 778,019 | 6,829 | 112,175 | 14,274 | 21,564 | 14,209 | 7,235 |
| 8. | 1,225 | 30,812 | 265,106 | 37,204 | 66,615 | 507,664 | 120,740 | 2,175 | 18,864 | 39,714 | 60,662 | 35,433 | 8,815 |
| 9. | 4,791 | 32,769 | 230,073 | 35,010 | 61,421 | 440,177 | 112,393 | 1,689 | 17,989 | 7,453 | 14,198 | 5,351 | 1,780 |
| 10. | 13,333 | 88,396 | 729,751 | 100,892 | 181,807 | 1455,000 | 356,372 | 3,912 | 54,664 | 6,612 | 9,381 | 5,180 | 2,445 |
| 11. | 10,822 | 59,343 | 465,351 | 103,311 | 147,521 | 1174,464 | 373,392 | 6,466 | 46,205 | 34,305 | 41,610 | 26,340 | 5,020 |
| 12. | 10,349 | 84,616 | 691,969 | 185,294 | 154,973 | 1237,553 | 297,429 | 5,223 | 41,128 | 23,176 | 26,815 | 13,466 | 3,004 |

Tabulka 32 Mastné kyseliny v nadledvinách ve skupině A – procentuální zastoupení (vlastní zpracování)

| [%] Tkáň nadledvin – skupina A | | | | | | | | | | | | | |
|--------------------------------|-------|-------|--------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| 1. | 0,765 | 3,101 | 18,558 | 4,048 | 6,144 | 43,699 | 12,883 | 0,239 | 1,983 | 2,821 | 3,212 | 2,049 | 0,497 |
| 2. | 0,475 | 2,656 | 19,126 | 2,000 | 5,607 | 48,762 | 12,634 | 0,204 | 1,569 | 2,636 | 2,643 | 1,449 | 0,238 |
| 3. | 0,548 | 2,914 | 18,638 | 2,359 | 6,514 | 42,963 | 8,468 | 0,295 | 2,099 | 4,135 | 5,017 | 5,368 | 0,683 |
| 4. | 0,424 | 2,673 | 20,335 | 3,676 | 5,363 | 46,168 | 11,663 | 0,191 | 1,981 | 2,124 | 3,356 | 1,836 | 0,208 |
| 5. | 0,516 | 2,596 | 19,142 | 4,049 | 6,769 | 42,925 | 12,177 | 0,170 | 1,739 | 2,768 | 4,563 | 2,198 | 0,389 |
| 6. | 0,225 | 0,442 | 22,108 | 1,489 | 6,816 | 48,530 | 13,772 | 0,231 | 2,286 | 1,274 | 1,566 | 0,836 | 0,424 |
| 7. | 0,663 | 2,611 | 22,058 | 2,675 | 5,160 | 49,465 | 14,160 | 0,124 | 2,042 | 0,260 | 0,392 | 0,259 | 0,132 |
| 8. | 0,103 | 2,578 | 22,184 | 3,113 | 5,574 | 42,481 | 10,104 | 0,182 | 1,579 | 3,323 | 5,076 | 2,965 | 0,738 |
| 9. | 0,496 | 3,395 | 23,839 | 3,628 | 6,364 | 45,610 | 11,646 | 0,175 | 1,864 | 0,772 | 1,471 | 0,554 | 0,184 |
| 10. | 0,443 | 2,939 | 24,262 | 3,354 | 6,045 | 48,375 | 11,848 | 0,130 | 1,817 | 0,220 | 0,312 | 0,172 | 0,081 |
| 11. | 0,434 | 2,379 | 18,658 | 4,142 | 5,915 | 47,089 | 14,971 | 0,259 | 1,853 | 1,375 | 1,668 | 1,056 | 0,201 |
| 12. | 0,373 | 3,049 | 24,936 | 6,677 | 5,585 | 44,597 | 10,718 | 0,188 | 1,482 | 0,835 | 0,966 | 0,485 | 0,108 |

Tabulka 33 Mastné kyseliny v nadledvinách ve skupině A – deskriptivní statistika (vlastní zpracování)

| Tkáň nadledvín – skupina A | | | | | | | | | | | | | |
|----------------------------|-------|-------|--------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| počet hodnot | 12 | 11 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 11 | 12 |
| min. | 0,103 | 2,379 | 18,558 | 1,489 | 5,160 | 42,481 | 8,468 | 0,124 | 1,482 | 0,220 | 0,312 | 0,172 | 0,081 |
| max. | 0,765 | 3,395 | 24,936 | 6,677 | 6,816 | 49,465 | 14,971 | 0,295 | 2,286 | 4,135 | 5,076 | 2,965 | 0,738 |
| arit. průměr | 0,455 | 2,808 | 21,154 | 3,434 | 5,988 | 45,889 | 12,087 | 0,199 | 1,858 | 1,879 | 2,520 | 1,260 | 0,324 |
| SD | 0,168 | 0,283 | 2,275 | 1,276 | 0,525 | 2,436 | 1,726 | 0,049 | 0,228 | 1,218 | 1,650 | 0,868 | 0,213 |
| medián | 0,459 | 2,673 | 21,197 | 3,491 | 5,980 | 45,889 | 12,013 | 0,190 | 1,858 | 1,749 | 2,156 | 1,056 | 0,223 |
| 25% percentil | 0,411 | 2,603 | 19,009 | 2,596 | 5,582 | 43,515 | 11,414 | 0,174 | 1,699 | 0,819 | 1,344 | 0,520 | 0,171 |
| 75% percentil | 0,524 | 2,994 | 22,598 | 4,048 | 6,402 | 48,414 | 13,106 | 0,233 | 1,998 | 2,781 | 3,658 | 1,943 | 0,442 |
| normalita | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano |

Tabulka 34 Další sledované parametry v nadledvinách ve skupině A – procentuální zastoupení (vlastní zpracování)

| Tkáň nadledvín – skupina A | | | | | | | |
|----------------------------|---------------|-----------|-----------------|-----------------|-------------|--------------|-------------|
| | tSFA [%] | tMUFA [%] | ω -6 [%] | ω -3 [%] | Δ -9 | AA/EPA | Δ -5 |
| 1. | 28,568 | 47,747 | 19,156 | 4,529 | 7,112 | 1,567 | 1,138 |
| 2. | 27,864 | 50,762 | 18,118 | 3,256 | 8,697 | 1,824 | 1,003 |
| 3. | 28,614 | 45,322 | 17,914 | 8,150 | 6,595 | 0,934 | 1,213 |
| 4. | 28,796 | 49,844 | 17,334 | 4,025 | 8,608 | 1,827 | 1,580 |
| 5. | 29,024 | 46,973 | 19,677 | 4,325 | 6,341 | 2,076 | 1,649 |
| 6. | 29,149 | 50,019 | 16,843 | 3,546 | 7,120 | 1,872 | 1,229 |
| 7. | 30,492 | 52,139 | 14,937 | 2,432 | 9,587 | 1,518 | 1,511 |
| 8. | 30,439 | 45,595 | 18,685 | 5,281 | 7,621 | 1,712 | 1,527 |
| 9. | 34,096 | 49,237 | 14,064 | 2,603 | 7,167 | 2,653 | 1,905 |
| 10. | 33,689 | 51,730 | 12,510 | 2,071 | 8,003 | 1,811 | 1,419 |
| 11. | 27,386 | 51,231 | 18,274 | 3,110 | 7,961 | 1,580 | 1,213 |
| 12. | 33,943 | 51,274 | 12,708 | 2,076 | 7,986 | 1,991 | 1,157 |

Tabulka 35 Další sledované parametry v nadledvinách ve skupině A – procentuální zastoupení (vlastní zpracování)

| Tkáň nadledvín – skupina A | | | | | | | |
|----------------------------|----------|-----------|-----------------|-----------------|-------------|--------|-------------|
| | tSFA [%] | tMUFA [%] | ω -6 [%] | ω -3 [%] | Δ -9 | AA/EPA | Δ -5 |
| počet hodnot | 11 | 12 | 12 | 11 | 12 | 11 | 12 |
| min. | 27,386 | 45,322 | 12,510 | 2,071 | 6,341 | 1,518 | 1,003 |
| max. | 34,096 | 52,139 | 19,677 | 5,281 | 9,587 | 2,653 | 1,905 |
| arit. průměr | 30,265 | 49,322 | 16,685 | 3,387 | 7,733 | 1,857 | 1,379 |
| SD | 2,400 | 2,272 | 2,394 | 1,013 | 0,897 | 0,302 | 0,251 |
| medián | 29,024 | 49,932 | 17,624 | 3,256 | 7,791 | 1,824 | 1,324 |
| 25% percentil | 28,591 | 47,554 | 14,719 | 2,517 | 7,118 | 1,646 | 1,199 |
| 75% percentil | 32,090 | 51,242 | 18,377 | 4,175 | 8,154 | 1,932 | 1,541 |
| normalita | ano | ano | ano | ano | ano | ano | ano |

4.2 Mastné kyseliny v tkáni nadledvin – skupina B

Tabulka 36 Mastné kyseliny v nadledvinách ve skupině B – plocha pod píkem (vlastní zpracování)

| AUC Tkáň nadledvin – skupina B | | | | | | | | | | | | | |
|--------------------------------|--------|---------|----------|---------|----------|----------|----------|-------|---------|--------|---------|--------|--------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| 1. | 1,239 | 0,974 | 312,551 | 24,262 | 76,127 | 670,198 | 180,173 | 1,615 | 25,453 | 2,088 | 3,234 | 8,781 | 3,908 |
| 2. | 13,424 | 99,673 | 897,036 | 188,583 | 185,547 | 1718,195 | 424,646 | 3,670 | 54,924 | 32,182 | 40,534 | 19,581 | 6,615 |
| 3. | 25,925 | 116,394 | 882,780 | 114,268 | 244,702 | 1730,673 | 488,210 | 6,917 | 64,960 | 24,439 | 31,899 | 18,166 | 5,351 |
| 4. | 18,795 | 76,039 | 724,990 | 30,475 | 172,343 | 1554,272 | 345,691 | 4,507 | 55,186 | 30,376 | 33,455 | 20,882 | 4,031 |
| 5. | 1,921 | 25,324 | 370,534 | 107,924 | 79,832 | 834,119 | 155,932 | 1,495 | 24,505 | 24,240 | 39,764 | 15,537 | 4,070 |
| 6. | 7,371 | 55,486 | 457,738 | 128,856 | 90,235 | 952,770 | 191,626 | 1,985 | 28,558 | 18,876 | 37,796 | 23,638 | 4,947 |
| 7. | 68,372 | 290,498 | 2761,482 | 399,014 | 1022,957 | 4127,212 | 2154,810 | 9,988 | 134,922 | 74,209 | 648,587 | 83,235 | 88,574 |
| 8. | 18,380 | 108,918 | 1291,226 | 279,761 | 277,780 | 2887,559 | 657,026 | 4,549 | 101,220 | 13,352 | 39,746 | 25,001 | 9,729 |

Tabulka 37 Mastné kyseliny v nadledvinách ve skupině B – procentuální zastoupení (vlastní zpracování)

| [%] Tkáň nadledvin – skupina B | | | | | | | | | | | | | |
|--------------------------------|-------|-------|--------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| 1. | 0,576 | 2,449 | 23,276 | 3,363 | 8,622 | 34,788 | 18,163 | 0,084 | 1,137 | 0,626 | 5,467 | 0,702 | 0,747 |
| 2. | 0,369 | 2,774 | 22,888 | 6,443 | 4,512 | 47,641 | 9,582 | 0,099 | 1,428 | 0,944 | 1,890 | 1,182 | 0,247 |
| 3. | 0,095 | 0,074 | 23,848 | 1,851 | 5,809 | 51,137 | 13,747 | 0,123 | 1,942 | 0,159 | 0,247 | 0,670 | 0,298 |
| 4. | 0,114 | 1,503 | 21,988 | 6,404 | 4,737 | 49,497 | 9,253 | 0,089 | 1,454 | 1,438 | 2,360 | 0,922 | 0,242 |
| 5. | 0,690 | 3,100 | 23,511 | 3,043 | 6,517 | 46,094 | 13,003 | 0,184 | 1,730 | 0,651 | 0,850 | 0,484 | 0,143 |
| 6. | 0,612 | 2,476 | 23,607 | 0,992 | 5,612 | 50,611 | 11,256 | 0,147 | 1,797 | 0,989 | 1,089 | 0,680 | 0,131 |
| 7. | 0,364 | 2,705 | 24,345 | 5,118 | 5,036 | 46,632 | 11,525 | 0,100 | 1,491 | 0,873 | 1,100 | 0,531 | 0,180 |
| 8. | 0,322 | 1,906 | 22,597 | 4,896 | 4,861 | 50,533 | 11,498 | 0,080 | 1,771 | 0,234 | 0,696 | 0,438 | 0,170 |

Tabulka 38 Mastné kyseliny v nadledvinách ve skupině B – deskriptivní statistika (vlastní zpracování)

| Tkáň nadledvin – skupina B | | | | | | | | | | | | | |
|----------------------------|-------|-------|--------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| počet hodnot | 8 | 7 | 8 | 8 | 7 | 7 | 8 | 8 | 8 | 8 | 7 | 8 | 7 |
| min. | 0,095 | 1,503 | 21,988 | 0,992 | 4,512 | 46,094 | 9,253 | 0,080 | 1,137 | 0,159 | 0,247 | 0,438 | 0,131 |
| max. | 0,690 | 3,100 | 24,345 | 6,443 | 6,517 | 51,137 | 18,163 | 0,184 | 1,942 | 1,438 | 2,360 | 1,182 | 0,298 |
| arit. průměr | 0,393 | 2,416 | 23,258 | 4,014 | 5,298 | 48,878 | 12,253 | 0,113 | 1,594 | 0,739 | 1,176 | 0,701 | 0,202 |
| SD | 0,207 | 0,504 | 0,699 | 1,897 | 0,659 | 1,911 | 2,644 | 0,033 | 0,245 | 0,391 | 0,668 | 0,231 | 0,057 |
| medián | 0,366 | 2,476 | 23,394 | 4,130 | 5,036 | 49,497 | 11,511 | 0,099 | 1,610 | 0,762 | 1,089 | 0,675 | 0,180 |
| 25% percentil | 0,270 | 2,177 | 22,815 | 2,745 | 4,799 | 47,136 | 10,838 | 0,088 | 1,448 | 0,528 | 0,773 | 0,520 | 0,156 |
| 75% percentil | 0,585 | 2,740 | 23,667 | 5,440 | 5,710 | 50,572 | 13,189 | 0,129 | 1,778 | 0,955 | 1,495 | 0,757 | 0,244 |
| normalita | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano |

Tabulka 39 Další sledované parametry v nadledvinách ve skupině B – procentuální zastoupení (vlastní zpracování)

| Tkáň nadledvin – skupina B | | | | | | | |
|----------------------------|---------------|---------------|-----------------|-----------------|--------------|--------------|--------------|
| | tSFA [%] | tMUFA [%] | ω -6 [%] | ω -3 [%] | Δ -9 | AA/EPA | Δ -5 |
| 1. | 26,301 | 38,151 | 24,339 | 2,585 | 4,035 | 7,792 | 8,740 |
| 2. | 30,543 | 54,084 | 12,515 | 2,857 | 10,559 | 1,599 | 2,002 |
| 3. | 29,751 | 52,988 | 14,277 | 2,910 | 8,804 | 0,368 | 1,549 |
| 4. | 28,342 | 55,901 | 13,140 | 2,618 | 10,448 | 2,559 | 1,640 |
| 5. | 33,819 | 49,137 | 14,687 | 2,356 | 7,073 | 1,756 | 1,305 |
| 6. | 32,307 | 51,603 | 13,482 | 2,608 | 9,018 | 1,602 | 1,101 |
| 7. | 32,451 | 51,750 | 13,598 | 2,202 | 9,260 | 2,070 | 1,260 |
| 8. | 29,686 | 55,428 | 12,507 | 2,379 | 10,395 | 1,590 | 2,977 |

Tabulka 40 Další sledované parametry v nadledvinách ve skupině B – deskriptivní statistika (vlastní zpracování)

| Tkáň nadledvin – skupina B | | | | | | | |
|----------------------------|----------|-----------|-----------------|-----------------|-------------|--------|-------------|
| | tSFA [%] | tMUFA [%] | ω -6 [%] | ω -3 [%] | Δ -9 | AA/EPA | Δ -5 |
| počet hodnot | 8 | 7 | 7 | 7 | 7 | 7 | 7 |
| min. | 26,301 | 49,137 | 12,507 | 2,202 | 7,073 | 0,368 | 1,101 |
| max. | 33,819 | 55,901 | 14,687 | 2,910 | 10,559 | 2,559 | 2,977 |
| arit. průměr | 30,400 | 52,985 | 13,458 | 2,562 | 9,365 | 1,649 | 1,691 |
| SD | 2,278 | 2,201 | 0,765 | 0,245 | 1,156 | 0,617 | 0,592 |
| medián | 30,147 | 52,988 | 13,482 | 2,608 | 9,260 | 1,602 | 1,549 |
| 25% percentil | 29,350 | 51,676 | 12,827 | 2,368 | 8,911 | 1,594 | 1,282 |
| 75% percentil | 32,343 | 54,756 | 12,827 | 2,737 | 10,422 | 1,913 | 1,821 |
| normalita | ano | ano | ano | ano | ano | ano | ano |

5 Tkáň kosterního svalu

5.1 Mastné kyseliny v tkáni kosterního svalu – skupina A

Tabulka 41 Mastné kyseliny ve svalu ve skupině A – plocha pod píkem (vlastní zpracování)

| AUC Tkáň kosterního svalu – skupina A | | | | | | | | | | | | | |
|---------------------------------------|--------|---------|----------|---------|---------|----------|----------|--------|---------|--------|---------|---------|---------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| 1. | 45,377 | 149,395 | 1719,857 | 251,238 | 748,761 | 2731,530 | 1605,348 | 11,921 | 101,626 | 56,913 | 475,579 | 36,895 | 59,420 |
| 2. | 5,679 | 25,548 | 192,526 | 27,042 | 46,769 | 440,176 | 142,807 | 1,423 | 14,444 | 2,210 | 8,190 | 3,525 | 997,800 |
| 3. | 18,618 | 77,491 | 853,117 | 101,303 | 347,419 | 1006,150 | 557,972 | 4,277 | 40,462 | 28,750 | 166,731 | 20,038 | 23,747 |
| 4. | 17,854 | 104,250 | 1548,688 | 264,006 | 364,414 | 2376,664 | 874,193 | 3,750 | 77,510 | 35,963 | 156,265 | 22,398 | 15,613 |
| 5. | 40,906 | 85,281 | 961,565 | 194,725 | 358,757 | 1238,457 | 858,852 | 2,416 | 42,077 | 18,785 | 208,474 | 17,626 | 28,177 |
| 6. | 29,482 | 88,530 | 1039,650 | 92,351 | 373,509 | 1519,664 | 770,751 | 5,259 | 64,275 | 25,116 | 124,010 | 45,685 | 14,406 |
| 7. | 59,890 | 210,754 | 1906,601 | 330,141 | 534,999 | 3424,816 | 1302,861 | 14,293 | 151,622 | 29,732 | 215,873 | 260,115 | 18,704 |
| 8. | 26,654 | 108,048 | 1401,330 | 186,792 | 413,227 | 1538,169 | 929,468 | 2,353 | 47,286 | 40,477 | 301,978 | 43,674 | 26,337 |
| 9. | 31,638 | 169,924 | 1608,908 | 167,915 | 474,524 | 2047,302 | 971,135 | 3,488 | 74,899 | 32,711 | 166,095 | 22,435 | 17,259 |
| 10. | 21,946 | 130,782 | 1372,228 | 209,109 | 390,622 | 2039,367 | 808,861 | 2,932 | 69,163 | 29,687 | 173,829 | 15,681 | 25,759 |
| 11. | 4,681 | 84,061 | 1409,568 | 277,564 | 406,346 | 2075,318 | 931,496 | 2,807 | 61,755 | 24,724 | 185,384 | 23,756 | 11,000 |
| 12. | 26,524 | 99,822 | 1263,046 | 265,952 | 373,553 | 1525,750 | 701,871 | 3,400 | 43,817 | 28,927 | 199,618 | 19,020 | 23,320 |

Tabulka 42 Mastné kyseliny ve svalu ve skupině A – procentuální zastoupení (vlastní zpracování)

| [%] Tkáň kosterního svalu – skupina A | | | | | | | | | | | | | |
|---------------------------------------|-------|-------|--------|-------|--------|--------|--------|-------|-------|-------|-------|-------|--------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| 1. | 0,568 | 1,869 | 21,515 | 3,143 | 9,367 | 34,170 | 20,082 | 0,149 | 1,271 | 0,712 | 5,949 | 0,462 | 0,743 |
| 2. | 0,298 | 1,339 | 10,090 | 1,417 | 2,451 | 23,068 | 7,484 | 0,075 | 0,757 | 0,116 | 0,429 | 0,185 | 52,292 |
| 3. | 0,574 | 2,387 | 26,281 | 3,121 | 10,703 | 30,996 | 17,189 | 0,132 | 1,246 | 0,886 | 5,136 | 0,617 | 0,732 |
| 4. | 0,305 | 1,779 | 26,421 | 4,504 | 6,217 | 40,547 | 14,914 | 0,064 | 1,322 | 0,614 | 2,666 | 0,382 | 0,266 |
| 5. | 1,009 | 2,103 | 23,707 | 4,801 | 8,845 | 30,533 | 21,174 | 0,060 | 1,037 | 0,463 | 5,140 | 0,435 | 0,695 |
| 6. | 0,703 | 2,112 | 24,797 | 2,203 | 8,909 | 36,246 | 18,383 | 0,125 | 1,533 | 0,599 | 2,958 | 1,090 | 0,344 |
| 7. | 0,708 | 2,491 | 22,536 | 3,902 | 6,324 | 40,481 | 15,400 | 0,169 | 1,792 | 0,351 | 2,552 | 3,074 | 0,221 |
| 8. | 0,526 | 2,133 | 27,663 | 3,687 | 8,157 | 30,364 | 18,348 | 0,046 | 0,933 | 0,799 | 5,961 | 0,862 | 0,520 |
| 9. | 0,547 | 2,936 | 27,796 | 2,901 | 8,198 | 35,370 | 16,778 | 0,060 | 1,294 | 0,565 | 2,870 | 0,388 | 0,298 |
| 10. | 0,415 | 2,472 | 25,940 | 3,953 | 7,384 | 38,552 | 15,290 | 0,055 | 1,307 | 0,561 | 3,286 | 0,296 | 0,487 |
| 11. | 0,085 | 1,529 | 25,636 | 5,048 | 7,390 | 37,744 | 16,941 | 0,051 | 1,123 | 0,450 | 3,372 | 0,432 | 0,200 |
| 12. | 0,580 | 2,182 | 27,610 | 5,814 | 8,166 | 33,352 | 15,343 | 0,074 | 0,958 | 0,632 | 4,364 | 0,416 | 0,510 |

Tabulka 43 Mastné kyseliny ve svalu ve skupině A – deskriptivní statistika (vlastní zpracování)

| Tkáň kosterního svalu – skupina A | | | | | | | | | | | | | |
|-----------------------------------|-------|-------|--------|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| počet hodnot | 12 | 12 | 11 | 12 | 11 | 12 | 11 | 12 | 12 | 12 | 12 | 11 | 11 |
| min. | 0,085 | 1,339 | 21,515 | 1,417 | 6,217 | 23,068 | 14,914 | 0,046 | 0,757 | 0,116 | 0,429 | 0,185 | 0,200 |
| max. | 1,009 | 2,936 | 27,796 | 5,814 | 10,703 | 40,547 | 21,174 | 0,169 | 1,792 | 0,886 | 5,961 | 1,090 | 0,743 |
| arit. průměr | 0,526 | 2,111 | 25,446 | 3,708 | 8,151 | 34,285 | 17,258 | 0,088 | 1,215 | 0,562 | 3,723 | 0,506 | 0,456 |
| SD | 0,223 | 0,422 | 2,010 | 1,190 | 1,254 | 4,828 | 1,968 | 0,041 | 0,268 | 0,195 | 1,564 | 0,248 | 0,195 |
| medián | 0,557 | 2,122 | 25,940 | 3,795 | 8,166 | 34,770 | 16,941 | 0,069 | 1,259 | 0,582 | 3,329 | 0,432 | 0,487 |
| 25% percentil | 0,387 | 1,846 | 24,252 | 3,066 | 7,387 | 30,880 | 15,371 | 0,059 | 1,017 | 0,460 | 2,819 | 0,385 | 0,282 |
| 75% percentil | 0,611 | 2,408 | 27,015 | 4,579 | 8,877 | 37,946 | 18,366 | 0,127 | 1,311 | 0,652 | 5,137 | 0,540 | 0,607 |
| normalita | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano |

Tabulka 44 Další sledované parametry ve svalu ve skupině A – procentuální zastoupení (vlastní zpracování)

| Tkáň kosterního svalu – skupina A | | | | | | | |
|-----------------------------------|----------|-----------|-----------------|-----------------|-------------|--------|-------------|
| | tSFA [%] | tMUFA [%] | ω -6 [%] | ω -3 [%] | Δ -9 | AA/EPA | Δ -5 |
| 1. | 33,318 | 37,313 | 26,893 | 2,476 | 3,648 | 12,890 | 8,356 |
| 2. | 14,177 | 24,486 | 8,104 | 53,233 | 9,412 | 2,323 | 3,706 |
| 3. | 39,945 | 34,117 | 23,343 | 2,595 | 2,896 | 8,321 | 5,799 |
| 4. | 34,721 | 45,051 | 18,257 | 1,971 | 6,522 | 6,977 | 4,345 |
| 5. | 35,663 | 35,334 | 26,837 | 2,167 | 3,452 | 11,828 | 11,098 |
| 6. | 36,520 | 38,448 | 22,065 | 2,966 | 4,069 | 2,714 | 4,937 |
| 7. | 32,058 | 44,383 | 18,471 | 5,088 | 6,402 | 0,830 | 7,261 |
| 8. | 38,479 | 34,051 | 25,155 | 2,315 | 3,722 | 6,914 | 7,460 |
| 9. | 39,477 | 38,271 | 20,273 | 1,980 | 4,314 | 7,403 | 5,078 |
| 10. | 36,212 | 42,505 | 19,193 | 2,091 | 5,221 | 11,085 | 5,855 |
| 11. | 34,640 | 42,792 | 20,813 | 1,755 | 5,107 | 7,804 | 7,498 |
| 12. | 38,538 | 39,166 | 20,413 | 1,883 | 4,084 | 10,495 | 6,901 |

Tabulka 45 Další sledované parametry ve svalu ve skupině A – deskriptivní statistika (vlastní zpracování)

| Tkáň kosterního svalu – skupina A | | | | | | | |
|-----------------------------------|----------|-----------|-----------------|-----------------|-------------|--------|-------------|
| | tSFA [%] | tMUFA [%] | ω -6 [%] | ω -3 [%] | Δ -9 | AA/EPA | Δ -5 |
| počet hodnot | 11 | 12 | 11 | 11 | 11 | 12 | 12 |
| min. | 32,058 | 24,486 | 18,257 | 1,755 | 2,896 | 0,830 | 3,706 |
| max. | 39,945 | 45,051 | 26,893 | 1,883 | 6,522 | 12,890 | 11,098 |
| arit. průměr | 36,324 | 37,993 | 21,974 | 2,481 | 4,494 | 7,465 | 6,525 |
| SD | 2,444 | 5,449 | 3,020 | 0,890 | 1,128 | 3,710 | 1,938 |
| medián | 36,212 | 38,360 | 20,813 | 2,167 | 4,084 | 7,604 | 6,378 |
| 25% percentil | 34,6805 | 35,030 | 19,733 | 1,975 | 3,685 | 5,864 | 5,043 |
| 75% percentil | 38,508 | 42,576 | 24,249 | 2,536 | 5,164 | 10,643 | 7,470 |
| normalita | ano | ano | ano | ano | ano | ano | ano |

5.2 Mastné kyseliny v tkáni kosterního svalu – skupina B

Tabulka 46 Mastné kyseliny ve svalu ve skupině B – plocha pod píkem (vlastní zpracování)

| AUC Tkáň kosterního svalu – skupina B | | | | | | | | | | | | | |
|---------------------------------------|---------|---------|----------|---------|---------|----------|----------|-------|---------|--------|---------|--------|--------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| 1. | 16,661 | 89,069 | 1006,735 | 153,212 | 311,240 | 1528,480 | 680,709 | 3,598 | 55,488 | 21,604 | 136,968 | 18,116 | 14,197 |
| 2. | 48,510 | 169,521 | 2063,917 | 272,982 | 533,123 | 2574,788 | 1068,048 | 2,744 | 79,005 | 34,371 | 176,735 | 28,817 | 29,760 |
| 3. | 22,080 | 149,156 | 1380,130 | 202,469 | 380,611 | 2011,302 | 823,824 | 4,831 | 75,568 | 17,468 | 138,244 | 13,543 | 12,697 |
| 4. | 117,622 | 89,963 | 1013,001 | 124,292 | 274,972 | 1552,699 | 617,809 | 3,302 | 51,694 | 24,758 | 144,289 | 13,852 | 20,878 |
| 5. | 20,453 | 173,521 | 2578,549 | 612,496 | 485,171 | 4123,679 | 1179,589 | 4,129 | 77,142 | 27,006 | 164,964 | 32,868 | 24,032 |
| 6. | 60,386 | 314,115 | 2953,510 | 871,551 | 509,960 | 4879,033 | 1315,269 | 6,747 | 131,393 | 35,960 | 211,190 | 35,663 | 51,699 |
| 7. | 18,613 | 74,644 | 461,820 | 89,884 | 135,906 | 993,062 | 202,876 | 4,453 | 34,615 | 13,660 | 27,155 | 15,165 | 5,384 |
| 8. | 23,610 | 105,195 | 1438,027 | 232,177 | 438,286 | 2131,501 | 956,506 | 2,834 | 68,700 | 25,908 | 241,581 | 23,072 | 36,875 |

Tabulka 47 Mastné kyseliny ve svalu ve skupině B – procentuální zastoupení (vlastní zpracování)

| [%] Tkáň kosterního svalu – skupina B | | | | | | | | | | | | | |
|---------------------------------------|-------|-------|--------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| 1. | 0,896 | 3,593 | 22,232 | 4,327 | 6,543 | 47,807 | 9,767 | 0,214 | 1,666 | 0,658 | 1,307 | 0,730 | 0,259 |
| 2. | 0,531 | 2,761 | 25,962 | 7,661 | 4,483 | 42,887 | 11,561 | 0,059 | 1,155 | 0,316 | 1,856 | 0,313 | 0,454 |
| 3. | 0,413 | 2,207 | 24,943 | 3,796 | 7,711 | 37,870 | 16,866 | 0,089 | 1,375 | 0,535 | 3,394 | 0,449 | 0,352 |
| 4. | 0,215 | 1,826 | 27,132 | 6,445 | 5,105 | 43,391 | 12,412 | 0,043 | 0,812 | 0,284 | 1,736 | 0,346 | 0,253 |
| 5. | 0,422 | 2,851 | 26,379 | 3,870 | 7,275 | 38,443 | 15,746 | 0,092 | 1,444 | 0,334 | 2,642 | 0,259 | 0,243 |
| 6. | 2,905 | 2,222 | 25,018 | 3,070 | 6,791 | 38,346 | 15,258 | 0,082 | 1,277 | 0,611 | 3,563 | 0,342 | 0,516 |
| 7. | 0,685 | 2,394 | 29,142 | 3,854 | 7,528 | 36,355 | 15,080 | 0,039 | 1,116 | 0,485 | 2,495 | 0,407 | 0,420 |
| 8. | 0,412 | 1,838 | 25,122 | 4,056 | 7,657 | 37,236 | 16,710 | 0,050 | 1,200 | 0,453 | 4,220 | 0,403 | 0,644 |

Tabulka 48 Mastné kyseliny ve svalu ve skupině B – deskriptivní statistika (vlastní zpracování)

| Tkáň kosterního svalu – skupina B | | | | | | | | | | | | | |
|-----------------------------------|-------|-------|--------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| počet hodnot | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 8 | 7 | 8 |
| min. | 0,215 | 1,826 | 22,232 | 3,070 | 4,483 | 36,355 | 9,767 | 0,039 | 0,812 | 0,284 | 1,307 | 0,259 | 0,243 |
| max. | 0,896 | 3,593 | 29,142 | 7,661 | 7,711 | 47,807 | 16,866 | 0,092 | 1,666 | 0,658 | 4,220 | 0,449 | 0,644 |
| arit. průměr | 0,511 | 2,461 | 25,741 | 4,635 | 6,636 | 40,292 | 14,175 | 0,065 | 1,256 | 0,460 | 2,652 | 0,360 | 0,393 |
| SD | 0,205 | 0,553 | 1,864 | 1,467 | 1,141 | 3,720 | 2,437 | 0,021 | 0,237 | 0,130 | 0,945 | 0,060 | 0,134 |
| medián | 0,422 | 2,308 | 25,542 | 3,963 | 7,033 | 38,395 | 15,169 | 0,059 | 1,238 | 0,49 | 2,569 | 0,346 | 0,386 |
| 25% percentil | 0,413 | 2,115 | 24,999 | 3,840 | 6,183 | 37,712 | 12,199 | 0,046 | 1,145 | 0,329 | 1,826 | 0,328 | 0,258 |
| 75% percentil | 0,608 | 2,784 | 26,567 | 4,857 | 7,560 | 43,013 | 15,987 | 0,085 | 1,392 | 0,554 | 3,436 | 0,405 | 0,470 |
| normalita | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano |

Tabulka 49 Další sledované parametry ve svalu ve skupině B – procentuální zastoupení (vlastní zpracování)

| Tkáň kosterního svalu – skupina B | | | | | | | |
|-----------------------------------|----------|-----------|-----------------|-----------------|-------------|--------|-------------|
| | tSFA [%] | tMUFA [%] | ω -6 [%] | ω -3 [%] | Δ -9 | AA/EPA | Δ -5 |
| 1. | 33,265 | 52,134 | 11,946 | 2,656 | 7,307 | 1,791 | 1,988 |
| 2. | 33,736 | 50,548 | 13,793 | 1,923 | 9,567 | 5,922 | 5,873 |
| 3. | 35,274 | 41,666 | 20,884 | 2,175 | 4,911 | 7,561 | 6,340 |
| 4. | 34,279 | 49,836 | 14,475 | 1,410 | 8,499 | 5,019 | 6,108 |
| 5. | 36,927 | 42,313 | 18,815 | 1,946 | 5,284 | 10,208 | 7,914 |
| 6. | 36,935 | 41,416 | 19,514 | 2,134 | 5,647 | 10,416 | 5,828 |
| 7. | 39,748 | 40,210 | 18,100 | 1,943 | 4,830 | 6,133 | 5,142 |
| 8. | 35,028 | 41,292 | 21,432 | 2,247 | 4,863 | 10,471 | 9,325 |

Tabulka 50 Další sledované parametry ve svalu ve skupině B – deskriptivní statistika (vlastní zpracování)

| Tkáň kosterního svalu – skupina B | | | | | | | |
|-----------------------------------|----------|-----------|-----------------|-----------------|-------------|--------|-------------|
| | tSFA [%] | tMUFA [%] | ω -6 [%] | ω -3 [%] | Δ -9 | AA/EPA | Δ -5 |
| počet hodnot | 7 | 8 | 7 | 8 | 8 | 8 | 8 |
| min. | 33,265 | 40,210 | 13,793 | 1,410 | 4,830 | 1,791 | 1,988 |
| max. | 39,748 | 52,134 | 21,432 | 2,656 | 9,567 | 10,471 | 9,325 |
| arit. průměr | 35,465 | 44,927 | 18,145 | 2,054 | 6,363 | 7,190 | 6,065 |
| SD | 2,068 | 4,649 | 2,753 | 0,331 | 1,736 | 2,894 | 1,990 |
| medián | 35,028 | 41,990 | 18,815 | 2,040 | 5,466 | 6,847 | 5,991 |
| 25% percentil | 34,007 | 41,385 | 16,288 | 1,938 | 4,899 | 5,696 | 5,566 |
| 75% percentil | 36,101 | 50,014 | 20,199 | 2,193 | 7,605 | 10,260 | 6,733 |
| normalita | ano | ano | ano | ano | ano | ano | ano |

6 Břišní tuková tkáň

6.1 Mastné kyseliny v břišní tukové tkáni – skupina A

Tabulka 51 Mastné kyseliny v tuku ve skupině A – plocha pod píkem (vlastní zpracování)

| AUC Břišní tuková tkáň – skupina A | | | | | | | | | | | | | |
|------------------------------------|--------|---------|----------|---------|----------|----------|----------|--------|---------|--------|---------|---------|---------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| 1. | 59,061 | 223,492 | 1209,401 | 324,425 | 278,061 | 3032,569 | 970,727 | 12,432 | 133,790 | 7,971 | 16,622 | 6,121 | 8,322 |
| 2. | 36,635 | 199,021 | 1343,270 | 267,691 | 275,957 | 3532,881 | 931,331 | 11,390 | 114,043 | 12,448 | 16,999 | 7,639 | 2,723 |
| 3. | 0,389 | 183,443 | 1106,052 | 213,663 | 253,666 | 2313,191 | 501,905 | 11,699 | 97,688 | 5,877 | 11,858 | 4,574 | 8,964 |
| 4. | 28,295 | 177,347 | 1327,613 | 221,288 | 217,672 | 2924,389 | 760,925 | 8,047 | 128,937 | 12,227 | 15,907 | 7,231 | 3,898 |
| 5. | 40,187 | 187,632 | 1232,944 | 247,015 | 269,674 | 2730,386 | 791,830 | 10,066 | 100,902 | 7,790 | 12,149 | 4,936 | 4,562 |
| 6. | 0,202 | 124,880 | 969,379 | 150,983 | 203,964 | 2285,887 | 662,677 | 7,592 | 96,826 | 9,097 | 9,887 | 7,244 | 8,035 |
| 7. | 18,505 | 134,238 | 1294,159 | 219,050 | 217,746 | 3229,603 | 883,784 | 6,473 | 124,684 | 13,483 | 32,096 | 12,221 | 6,730 |
| 8. | 29,122 | 0,924 | 898,866 | 170,721 | 128,325 | 1748,208 | 401,502 | 5,954 | 56,495 | 7,496 | 14,109 | 7,503 | 3,614 |
| 9. | 6,748 | 58,966 | 435,357 | 76,669 | 78,993 | 877,551 | 220,200 | 2,436 | 34,090 | 4,349 | 6,515 | 3,182 | 1,976 |
| 10. | 10,930 | 82,816 | 1790,862 | 146,429 | 1432,662 | 2536,513 | 271,118 | 13,694 | 171,987 | 56,211 | 480,167 | 293,067 | 635,729 |
| 11. | 26,903 | 150,290 | 1253,229 | 287,469 | 306,149 | 3313,977 | 1068,563 | 13,720 | 137,653 | 8,791 | 20,455 | 9,381 | 4,952 |
| 12. | 28,917 | 222,419 | 1726,655 | 516,805 | 299,932 | 3221,015 | 750,825 | 11,078 | 104,149 | 10,961 | 22,815 | 10,333 | 4,953 |

Tabulka 52 Mastné kyseliny v tuku ve skupině A – procentuální zastoupení (vlastní zpracování)

| [%] Břišní tuková tkáň – skupina A | | | | | | | | | | | | | |
|------------------------------------|-------|-------|--------|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| 1. | 0,940 | 3,557 | 19,249 | 5,164 | 4,426 | 48,266 | 15,450 | 0,198 | 2,129 | 0,127 | 0,265 | 0,097 | 0,132 |
| 2. | 0,543 | 2,948 | 19,894 | 3,965 | 4,087 | 52,323 | 13,793 | 0,169 | 1,689 | 0,184 | 0,252 | 0,113 | 0,040 |
| 3. | 0,008 | 3,892 | 23,468 | 4,534 | 5,382 | 49,081 | 10,649 | 0,248 | 2,073 | 0,125 | 0,252 | 0,097 | 0,190 |
| 4. | 0,485 | 3,040 | 22,757 | 3,793 | 3,731 | 50,129 | 13,043 | 0,138 | 2,210 | 0,210 | 0,273 | 0,124 | 0,067 |
| 5. | 0,713 | 3,327 | 21,860 | 4,380 | 4,781 | 48,410 | 14,039 | 0,178 | 1,789 | 0,138 | 0,215 | 0,088 | 0,081 |
| 6. | 0,004 | 2,753 | 21,368 | 3,328 | 4,496 | 50,387 | 14,607 | 0,167 | 2,134 | 0,201 | 0,218 | 0,160 | 0,177 |
| 7. | 0,299 | 2,168 | 20,898 | 3,537 | 3,516 | 52,151 | 14,271 | 0,105 | 2,013 | 0,218 | 0,518 | 0,197 | 0,109 |
| 8. | 0,839 | 0,027 | 25,883 | 4,916 | 3,695 | 50,339 | 11,561 | 0,171 | 1,627 | 0,216 | 0,406 | 0,216 | 0,104 |
| 9. | 0,373 | 3,263 | 24,092 | 4,243 | 4,371 | 48,563 | 12,186 | 0,135 | 1,887 | 0,241 | 0,361 | 0,176 | 0,109 |
| 10. | 0,138 | 1,045 | 22,606 | 1,848 | 18,084 | 32,018 | 3,422 | 0,173 | 2,171 | 0,710 | 6,061 | 3,699 | 8,025 |
| 11. | 0,408 | 2,277 | 18,984 | 4,355 | 4,638 | 50,200 | 16,187 | 0,208 | 2,085 | 0,133 | 0,310 | 0,142 | 0,075 |
| 12. | 0,417 | 3,209 | 24,913 | 7,457 | 4,327 | 46,474 | 10,833 | 0,160 | 1,503 | 0,158 | 0,329 | 0,149 | 0,071 |

Tabulka 53 Mastné kyseliny v tuku ve skupině A – deskriptivní statistika (vlastní zpracování)

| Bříšší tuková tkáň – skupina A | | | | | | | | | | | | | |
|--------------------------------|-------|-------|--------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| počet hodnot | 12 | 11 | 12 | 12 | 11 | 11 | 11 | 12 | 12 | 11 | 11 | 11 | 11 |
| min. | 0,004 | 1,045 | 18,984 | 1,848 | 3,516 | 46,474 | 10,649 | 0,105 | 1,503 | 0,125 | 0,215 | 0,088 | 0,040 |
| max. | 0,940 | 3,892 | 25,883 | 7,457 | 5,382 | 52,323 | 16,187 | 0,248 | 2,210 | 0,241 | 0,518 | 0,216 | 0,190 |
| arit. průměr | 0,431 | 2,862 | 22,164 | 4,293 | 4,314 | 49,666 | 13,329 | 0,171 | 1,943 | 0,177 | 0,309 | 0,142 | 0,105 |
| SD | 0,287 | 0,752 | 2,110 | 1,260 | 0,516 | 1,651 | 1,754 | 0,035 | 0,228 | 0,040 | 0,087 | 0,041 | 0,044 |
| medián | 0,412 | 3,040 | 22,233 | 4,299 | 4,371 | 50,129 | 13,793 | 0,170 | 2,043 | 0,184 | 0,273 | 0,142 | 0,104 |
| 25% percentil | 0,259 | 2,515 | 20,647 | 3,729 | 3,909 | 48,487 | 11,873 | 0,154 | 1,764 | 0,136 | 0,252 | 0,105 | 0,073 |
| 75% percentil | 0,585 | 3,295 | 23,624 | 4,629 | 4,567 | 50,363 | 14,439 | 0,183 | 2,131 | 0,213 | 0,345 | 0,168 | 0,121 |
| normalita | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano |

Tabulka 54 Další sledované parametry v tuku ve skupině A – procentuální zastoupení (vlastní zpracování)

| Bříšší tuková tkáň – skupina A | | | | | | | |
|--------------------------------|---------------|---------------|-----------------|-----------------|--------------|--------------|--------------|
| | tSFA [%] | tMUFA [%] | ω -6 [%] | ω -3 [%] | Δ -9 | AA/EPA | Δ -5 |
| 1. | 28,172 | 53,430 | 16,039 | 2,359 | 10,906 | 2,716 | 2,085 |
| 2. | 27,471 | 56,288 | 14,398 | 1,842 | 12,802 | 2,225 | 1,366 |
| 3. | 32,751 | 53,615 | 11,274 | 2,360 | 9,119 | 2,592 | 2,018 |
| 4. | 30,014 | 53,922 | 13,664 | 2,401 | 13,435 | 2,200 | 1,301 |
| 5. | 30,681 | 52,790 | 14,571 | 1,957 | 10,125 | 2,461 | 1,560 |
| 6. | 28,621 | 53,715 | 15,193 | 2,471 | 11,207 | 1,365 | 1,087 |
| 7. | 26,880 | 55,688 | 15,112 | 2,319 | 14,832 | 2,626 | 2,380 |
| 8. | 30,443 | 55,255 | 12,355 | 1,947 | 13,623 | 1,880 | 1,882 |
| 9. | 32,100 | 52,806 | 12,922 | 2,172 | 11,109 | 2,047 | 1,498 |
| 10. | 41,873 | 33,866 | 10,366 | 13,895 | 1,770 | 1,638 | 0,610 |
| 11. | 26,306 | 54,555 | 16,837 | 2,302 | 10,825 | 2,180 | 2,327 |
| 12. | 32,866 | 53,930 | 11,480 | 1,723 | 10,739 | 2,208 | 2,081 |

Tabulka 55 Další sledované parametry v tuku ve skupině A – deskriptivní statistika (vlastní zpracování)

| Bříšší tuková tkáň – skupina A | | | | | | | |
|--------------------------------|----------|-----------|-----------------|-----------------|-------------|--------|-------------|
| | tSFA [%] | tMUFA [%] | ω -6 [%] | ω -3 [%] | Δ -9 | AA/EPA | Δ -5 |
| počet hodnot | 10 | 11 | 11 | 11 | 11 | 11 | 11 |
| min. | 26,306 | 52,790 | 11,274 | 1,723 | 9,119 | 1,365 | 1,087 |
| max. | 32,866 | 56,288 | 16,837 | 2,471 | 14,832 | 2,716 | 2,380 |
| arit. průměr | 29,586 | 54,181 | 13,986 | 2,169 | 11,702 | 2,227 | 1,780 |
| SD | 2,323 | 1,090 | 1,735 | 0,244 | 1,646 | 0,367 | 0,418 |
| medián | 29,317 | 53,922 | 14,398 | 2,302 | 11,109 | 2,208 | 1,882 |
| 25% percentil | 27,647 | 53,522 | 12,638 | 1,952 | 10,782 | 2,114 | 1,432 |
| 75% percentil | 31,746 | 54,905 | 15,152 | 2,360 | 13,119 | 2,527 | 2,083 |
| normalita | ano | ano | ano | ano | ano | ano | ano |

6.2 Mastné kyseliny v břišní tukové tkáni – skupina B

Tabulka 56 Mastné kyseliny v tuku ve skupině B – plocha pod píkem (vlastní zpracování)

| AUC Břišní tuková tkáň – skupina B | | | | | | | | | | | | | |
|------------------------------------|--------|---------|----------|---------|----------|----------|----------|--------|---------|--------|---------|---------|---------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| 1. | 19,341 | 150,725 | 1449,878 | 342,065 | 196,384 | 3315,667 | 907,356 | 6,442 | 120,562 | 21,513 | 36,892 | 16,210 | 14,291 |
| 2. | 13,915 | 118,329 | 1090,852 | 294,129 | 137,558 | 2062,836 | 500,241 | 2,588 | 61,331 | 11,683 | 24,212 | 9,173 | 4,707 |
| 3. | 24,017 | 140,102 | 1238,137 | 199,815 | 281,559 | 2625,444 | 735,563 | 9,637 | 88,732 | 12,805 | 21,634 | 10,187 | 4,759 |
| 4. | 32,195 | 154,120 | 1602,746 | 152,665 | 271,979 | 3793,008 | 844,401 | 6,718 | 128,132 | 22,535 | 20,729 | 16,139 | 5,789 |
| 5. | 15,601 | 203,405 | 2473,984 | 65,180 | 207,989 | 5577,695 | 1217,886 | 2,971 | 147,578 | 42,526 | 77,922 | 34,796 | 19,280 |
| 6. | 21,806 | 175,690 | 1515,518 | 600,788 | 153,577 | 3809,894 | 797,891 | 4,257 | 101,036 | 21,687 | 41,845 | 16,852 | 10,303 |
| 7. | 19,231 | 108,114 | 1911,546 | 104,640 | 1685,616 | 2476,565 | 221,249 | 19,843 | 148,436 | 58,558 | 583,644 | 341,825 | 794,523 |
| 8. | 19,861 | 162,116 | 1912,885 | 463,977 | 269,222 | 4393,005 | 1067,207 | 5,747 | 135,898 | 22,263 | 44,278 | 22,841 | 7,082 |

Tabulka 57 Mastné kyseliny v tuku ve skupině B – procentuální zastoupení (vlastní zpracování)

| [%] Břišní tuková tkáň – skupina B | | | | | | | | | | | | | |
|------------------------------------|-------|-------|--------|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| 1. | 0,227 | 1,276 | 22,558 | 1,235 | 19,892 | 29,226 | 2,611 | 0,234 | 1,752 | 0,691 | 6,888 | 4,034 | 9,376 |
| 2. | 0,300 | 2,416 | 20,843 | 8,263 | 2,112 | 52,397 | 10,973 | 0,059 | 1,390 | 0,298 | 0,575 | 0,232 | 0,142 |
| 3. | 0,293 | 2,285 | 21,977 | 5,185 | 2,977 | 50,258 | 13,753 | 0,098 | 1,827 | 0,326 | 0,559 | 0,246 | 0,217 |
| 4. | 0,155 | 2,017 | 24,527 | 0,646 | 2,062 | 55,297 | 12,074 | 0,029 | 1,463 | 0,422 | 0,773 | 0,345 | 0,191 |
| 5. | 0,445 | 2,598 | 22,961 | 3,705 | 5,221 | 48,688 | 13,641 | 0,179 | 1,646 | 0,237 | 0,401 | 0,189 | 0,088 |
| 6. | 0,457 | 2,186 | 22,730 | 2,165 | 3,857 | 53,793 | 11,975 | 0,095 | 1,817 | 0,320 | 0,294 | 0,229 | 0,082 |
| 7. | 0,321 | 2,732 | 25,184 | 6,790 | 3,176 | 47,623 | 11,549 | 0,060 | 1,416 | 0,270 | 0,559 | 0,212 | 0,109 |
| 8. | 0,233 | 1,901 | 22,435 | 5,442 | 3,158 | 51,522 | 12,517 | 0,067 | 1,594 | 0,261 | 0,519 | 0,268 | 0,083 |

Tabulka 58 Mastné kyseliny v tuku ve skupině B – deskriptivní statistika (vlastní zpracování)

| Břišní tuková tkáň – skupina B | | | | | | | | | | | | | |
|--------------------------------|-------|-------|--------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| počet hodnot | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 7 | 7 | 7 | 7 |
| min. | 0,155 | 1,276 | 20,843 | 0,646 | 2,062 | 47,623 | 10,973 | 0,029 | 1,390 | 0,237 | 0,294 | 0,189 | 0,082 |
| max. | 0,457 | 2,732 | 25,184 | 8,263 | 5,221 | 55,297 | 13,753 | 0,234 | 1,827 | 0,422 | 0,773 | 0,345 | 0,217 |
| arit. průměr | 0,304 | 2,176 | 22,902 | 4,179 | 3,223 | 51,368 | 12,355 | 0,103 | 1,613 | 0,304 | 0,526 | 0,246 | 0,130 |
| SD | 0,098 | 0,428 | 1,290 | 2,538 | 1,003 | 2,531 | 0,957 | 0,065 | 0,166 | 0,056 | 0,139 | 0,047 | 0,051 |
| medián | 0,297 | 2,235 | 22,644 | 4,445 | 3,158 | 51,522 | 12,074 | 0,081 | 1,620 | 0,298 | 0,559 | 0,232 | 0,109 |
| 25% percentil | 0,231 | 1,988 | 22,320 | 1,933 | 2,544 | 49,473 | 11,762 | 0,059 | 1,451 | 0,265 | 0,460 | 0,220 | 0,086 |
| 75% percentil | 0,352 | 2,462 | 23,352 | 5,779 | 3,516 | 53,095 | 13,077 | 0,118 | 1,78 | 0,322 | 0,567 | 0,257 | 0,166 |
| normalita | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano |

Tabulka 59 Další sledované parametry v tuku ve skupině B – procentuální zastoupení (vlastní zpracování)

| Bříšší tuková tkáň – skupina B | | | | | | | |
|--------------------------------|---------------|---------------|-----------------|-----------------|--------------|--------------|--------------|
| | tSFA [%] | tMUFA [%] | ω -6 [%] | ω -3 [%] | Δ -9 | AA/EPA | Δ -5 |
| 1. | 43,953 | 30,461 | 10,424 | 15,162 | 1,469 | 1,707 | 0,586 |
| 2. | 25,671 | 60,660 | 11,906 | 1,763 | 24,808 | 2,483 | 1,929 |
| 3. | 27,531 | 55,443 | 14,736 | 2,290 | 16,884 | 2,276 | 1,715 |
| 4. | 28,760 | 55,943 | 13,298 | 1,999 | 26,817 | 2,239 | 1,832 |
| 5. | 31,226 | 52,393 | 14,458 | 1,923 | 9,325 | 2,124 | 1,689 |
| 6. | 29,230 | 55,958 | 12,684 | 2,128 | 13,946 | 1,284 | 0,920 |
| 7. | 31,413 | 54,414 | 12,437 | 1,736 | 14,996 | 2,639 | 2,072 |
| 8. | 27,727 | 56,964 | 13,364 | 1,945 | 16,317 | 1,939 | 1,989 |

Tabulka 60 Další sledované parametry v tuku ve skupině B – deskriptivní statistika (vlastní zpracování)

| Bříšší tuková tkáň – skupina B | | | | | | | |
|--------------------------------|----------|-----------|-----------------|-----------------|-------------|--------|-------------|
| | tSFA [%] | tMUFA [%] | ω -6 [%] | ω -3 [%] | Δ -9 | AA/EPA | Δ -5 |
| počet hodnot | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| min. | 25,671 | 52,393 | 11,906 | 1,736 | 9,325 | 1,284 | 0,920 |
| max. | 31,413 | 60,660 | 14,736 | 2,290 | 26,817 | 2,639 | 2,072 |
| arit. průměr | 28,794 | 55,968 | 13,269 | 1,969 | 17,585 | 2,141 | 1,735 |
| SD | 1,907 | 2,345 | 0,961 | 0,181 | 5,703 | 0,408 | 0,357 |
| medián | 28,760 | 55,943 | 13,298 | 1,945 | 16,317 | 2,239 | 1,832 |
| 25% percentil | 27,629 | 54,928 | 12,561 | 1,843 | 14,471 | 2,031 | 1,702 |
| 75% percentil | 30,228 | 56,461 | 13,911 | 2,064 | 20,846 | 2,379 | 1,959 |
| normalita | ano | ano | ano | ano | ano | ano | ano |

7 Mozková tkáň

7.1 Mastné kyseliny v mozkové tkáni – skupina A

Tabulka 61 Mastné kyseliny v mozku ve skupině A – plocha pod píkem (vlastní zpracování)

| AUC Mozková tkáň – skupina A | | | | | | | | | | | | | |
|------------------------------|--------|---------|----------|---------|----------|----------|---------|--------|---------|---------|----------|---------|----------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| 1. | 12,994 | 70,323 | 2378,395 | 119,387 | 2563,799 | 2350,309 | 174,032 | 20,451 | 122,642 | 104,913 | 1033,867 | 522,060 | 1190,825 |
| 2. | 34,644 | 232,973 | 3983,205 | 349,544 | 3257,186 | 5150,401 | 798,351 | 23,269 | 237,865 | 133,133 | 1267,168 | 667,549 | 1308,589 |
| 3. | 33,782 | 158,319 | 2473,557 | 222,296 | 2095,548 | 3256,505 | 321,211 | 19,250 | 185,465 | 82,933 | 755,689 | 478,284 | 793,652 |
| 4. | 18,734 | 124,481 | 2043,224 | 168,584 | 1493,056 | 2828,843 | 411,637 | 17,238 | 158,394 | 68,375 | 554,494 | 343,177 | 553,754 |
| 5. | 12,454 | 83,161 | 2020,626 | 137,219 | 1845,656 | 2243,142 | 213,853 | 15,542 | 121,018 | 71,487 | 690,393 | 407,410 | 818,096 |
| 6. | 12,373 | 111,182 | 2200,586 | 202,092 | 1902,441 | 3295,348 | 357,963 | 25,734 | 249,321 | 86,017 | 615,175 | 575,967 | 637,157 |
| 7. | 16,950 | 106,195 | 2112,894 | 182,539 | 1706,301 | 2688,915 | 406,607 | 23,836 | 124,570 | 63,617 | 671,722 | 342,504 | 765,981 |
| 8. | 22,361 | 105,677 | 2101,017 | 173,611 | 1550,957 | 2447,554 | 266,410 | 19,686 | 141,817 | 47,882 | 510,224 | 280,752 | 757,330 |
| 9. | 24,077 | 209,001 | 3133,419 | 269,474 | 2345,363 | 3915,844 | 566,106 | 20,725 | 181,554 | 92,353 | 834,089 | 448,269 | 963,487 |
| 10. | 10,930 | 82,816 | 1790,862 | 146,429 | 1432,662 | 2536,513 | 271,118 | 13,694 | 171,987 | 56,211 | 480,167 | 293,067 | 635,729 |
| 11. | 17,266 | 127,863 | 2768,564 | 182,445 | 2420,461 | 3117,802 | 301,457 | 25,795 | 162,936 | 75,612 | 841,648 | 490,239 | 1038,361 |
| 12. | 14,966 | 139,360 | 2693,567 | 300,225 | 2219,792 | 3233,759 | 338,888 | 21,854 | 150,995 | 91,264 | 826,675 | 492,824 | 883,904 |

Tabulka 62 Mastné kyseliny v mozku ve skupině A – procentuální zastoupení (vlastní zpracování)

| [%] Mozková tkáň – skupina A | | | | | | | | | | | | | |
|------------------------------|-------|-------|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|--------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| 1. | 0,122 | 0,659 | 22,303 | 1,120 | 24,042 | 22,040 | 1,632 | 0,192 | 1,150 | 0,984 | 9,695 | 4,896 | 11,167 |
| 2. | 0,199 | 1,336 | 22,834 | 2,004 | 18,672 | 29,526 | 4,577 | 0,133 | 1,364 | 0,763 | 7,264 | 3,827 | 7,502 |
| 3. | 0,311 | 1,456 | 22,742 | 2,044 | 19,267 | 29,941 | 2,953 | 0,177 | 1,705 | 0,762 | 6,948 | 4,397 | 7,297 |
| 4. | 0,213 | 1,417 | 23,261 | 1,919 | 16,997 | 32,205 | 4,686 | 0,196 | 1,803 | 0,778 | 6,313 | 3,907 | 6,304 |
| 5. | 0,143 | 0,958 | 23,279 | 1,581 | 21,263 | 25,842 | 2,464 | 0,179 | 1,394 | 0,824 | 7,954 | 4,694 | 9,425 |
| 6. | 0,120 | 1,082 | 21,424 | 1,968 | 18,522 | 32,083 | 3,485 | 0,251 | 2,427 | 0,837 | 5,989 | 5,608 | 6,203 |
| 7. | 0,184 | 1,153 | 22,935 | 1,981 | 18,521 | 29,187 | 4,414 | 0,259 | 1,352 | 0,691 | 7,291 | 3,718 | 8,314 |
| 8. | 0,265 | 1,254 | 24,937 | 2,061 | 18,408 | 29,050 | 3,162 | 0,234 | 1,683 | 0,568 | 6,056 | 3,332 | 8,989 |
| 9. | 0,185 | 1,607 | 24,096 | 2,072 | 18,036 | 30,113 | 4,353 | 0,159 | 1,396 | 0,710 | 6,414 | 3,447 | 7,409 |
| 10. | 0,138 | 1,045 | 22,606 | 1,848 | 18,084 | 32,018 | 3,422 | 0,173 | 2,171 | 0,710 | 6,061 | 3,699 | 8,025 |
| 11. | 0,149 | 1,105 | 23,928 | 1,577 | 20,919 | 26,946 | 2,605 | 0,223 | 1,408 | 0,653 | 7,274 | 4,237 | 8,974 |
| 12. | 0,131 | 1,222 | 23,611 | 2,632 | 19,458 | 28,346 | 2,971 | 0,192 | 1,324 | 0,800 | 7,246 | 4,320 | 7,748 |

Tabulka 63 Mastné kyseliny v mozku ve skupině A – deskriptivní statistika (vlastní zpracování)

| Mozková tkáň – skupina A | | | | | | | | | | | | | |
|--------------------------|-------|-------|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|--------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| počet hodnot | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 11 | 12 | 12 |
| min. | 0,120 | 0,659 | 21,424 | 1,120 | 16,997 | 22,040 | 1,632 | 0,133 | 1,150 | 0,568 | 5,989 | 3,332 | 6,203 |
| max. | 0,311 | 1,607 | 24,937 | 2,632 | 24,042 | 32,205 | 4,686 | 0,259 | 2,427 | 0,984 | 7,954 | 5,608 | 11,167 |
| arit. průměr | 0,180 | 1,191 | 23,163 | 1,900 | 19,349 | 28,941 | 3,394 | 0,197 | 1,598 | 0,757 | 6,801 | 4,173 | 8,113 |
| SD | 0,057 | 0,241 | 0,877 | 0,348 | 1,820 | 2,804 | 0,915 | 0,036 | 0,364 | 0,100 | 0,631 | 0,631 | 1,329 |
| medián | 0,167 | 1,187 | 23,098 | 1,974 | 18,597 | 29,356 | 3,292 | 0,192 | 1,402 | 0,763 | 6,948 | 4,072 | 7,886 |
| 25% percentil | 0,136 | 1,073 | 22,708 | 1,781 | 18,327 | 27,996 | 2,866 | 0,176 | 1,361 | 0,705 | 6,187 | 3,713 | 7,381 |
| 75% percentil | 0,202 | 1,356 | 23,690 | 2,048 | 19,823 | 30,589 | 4,368 | 0,226 | 1,730 | 0,806 | 7,269 | 4,471 | 8,978 |
| normalita | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano |

Tabulka 64 Další sledované parametry v mozku ve skupině A – procentuální zastoupení (vlastní zpracování)

| Mozková tkáň – skupina A | | | | | | | |
|--------------------------|----------|-----------|-----------------|-----------------|-------------|--------------|--------------|
| | tSFA [%] | tMUFA [%] | ω -6 [%] | ω -3 [%] | Δ -9 | AA/EPA | Δ -5 |
| 1. | 47,126 | 23,159 | 12,502 | 17,212 | 0,917 | 1,980 | 9,855 |
| 2. | 43,041 | 31,529 | 12,738 | 12,692 | 1,581 | 1,898 | 9,518 |
| 3. | 43,775 | 31,985 | 10,841 | 13,400 | 1,554 | 1,580 | 9,112 |
| 4. | 41,889 | 34,124 | 11,973 | 12,014 | 1,895 | 1,616 | 8,110 |
| 5. | 45,644 | 27,423 | 11,420 | 15,513 | 1,215 | 1,695 | 9,658 |
| 6. | 41,149 | 34,050 | 10,562 | 14,238 | 1,732 | 1,068 | 7,152 |
| 7. | 42,793 | 31,169 | 12,654 | 13,384 | 1,576 | 1,961 | 10,559 |
| 8. | 44,865 | 31,111 | 10,020 | 14,004 | 1,578 | 1,817 | 10,656 |
| 9. | 43,925 | 32,185 | 11,637 | 12,253 | 1,670 | 1,861 | 9,032 |
| 10. | 41,873 | 33,866 | 10,366 | 13,895 | 1,770 | 1,638 | 8,542 |
| 11. | 46,102 | 28,523 | 10,756 | 14,619 | 1,288 | 1,717 | 11,131 |
| 12. | 44,422 | 30,978 | 11,209 | 13,392 | 1,457 | 1,677 | 9,058 |

Tabulka 65 Další sledované parametry v mozku ve skupině A – deskriptivní statistika (vlastní zpracování)

| Mozková tkáň – skupina A | | | | | | | |
|--------------------------|----------|-----------|-----------------|-----------------|-------------|--------|-------------|
| | tSFA [%] | tMUFA [%] | ω -6 [%] | ω -3 [%] | Δ -9 | AA/EPA | Δ -5 |
| počet hodnot | 12 | 12 | 11 | 12 | 12 | 11 | 11 |
| min. | 41,149 | 23,159 | 10,020 | 12,014 | 0,917 | 1,068 | 7,152 |
| max. | 47,126 | 34,124 | 12,738 | 17,212 | 1,895 | 1,961 | 11,131 |
| arit. průměr | 43,884 | 30,842 | 11,289 | 13,884 | 1,519 | 1,684 | 9,321 |
| SD | 1,761 | 3,029 | 0,856 | 1,376 | 0,258 | 0,227 | 1,117 |
| medián | 43,850 | 31,349 | 11,209 | 13,647 | 1,577 | 1,695 | 9,112 |
| 25% percentil | 42,567 | 30,364 | 10,659 | 13,211 | 1,415 | 1,627 | 8,787 |
| 75% percentil | 45,060 | 32,606 | 11,805 | 14,333 | 1,685 | 1,840 | 10,108 |
| normalita | ano | ano | ano | ano | ano | ano | ano |

7.2 Mastné kyseliny v mozkové tkáni – skupina B

Tabulka 66 Mastné kyseliny v mozku ve skupině B – plocha pod píkem (vlastní zpracování)

| AUC Mozková tkáň – skupina B | | | | | | | | | | | | | |
|------------------------------|--------|---------|----------|---------|----------|----------|---------|--------|---------|--------|---------|---------|---------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| 1. | 18,145 | 147,714 | 2441,887 | 258,018 | 1908,764 | 3893,648 | 585,820 | 20,875 | 254,069 | 74,155 | 569,233 | 425,134 | 626,450 |
| 2. | 16,460 | 140,272 | 2211,764 | 272,060 | 1631,466 | 3463,118 | 498,482 | 15,159 | 194,739 | 52,315 | 499,221 | 340,254 | 559,510 |
| 3. | 19,477 | 129,356 | 2068,061 | 198,175 | 1684,274 | 3639,144 | 427,817 | 17,205 | 260,891 | 59,003 | 504,033 | 421,281 | 435,404 |
| 4. | 13,622 | 13,622 | 13,622 | 13,622 | 13,622 | 13,622 | 13,622 | 13,622 | 13,622 | 13,622 | 13,622 | 13,622 | 13,622 |
| 5. | 4,281 | 63,107 | 2077,319 | 179,998 | 1966,215 | 2767,700 | 178,203 | 16,578 | 182,831 | 64,586 | 689,138 | 425,812 | 765,523 |
| 6. | 9,710 | 84,355 | 1813,528 | 202,126 | 1614,874 | 2566,601 | 210,525 | 17,758 | 181,467 | 67,582 | 489,129 | 288,752 | 770,167 |
| 7. | 19,231 | 108,114 | 1911,546 | 104,640 | 1685,616 | 2476,565 | 221,249 | 19,843 | 148,436 | 58,558 | 583,644 | 341,825 | 794,523 |
| 8. | 11,408 | 81,670 | 1705,261 | 183,787 | 1256,123 | 2281,437 | 288,774 | 14,176 | 117,818 | 45,324 | 449,354 | 242,115 | 513,160 |

Tabulka 67 Mastné kyseliny v mozku ve skupině B – procentuální zastoupení (vlastní zpracování)

| [%] Mozková tkáň – skupina B | | | | | | | | | | | | | |
|------------------------------|-------|-------|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| 1. | 0,227 | 1,276 | 22,558 | 1,235 | 19,892 | 29,226 | 2,611 | 0,234 | 1,752 | 0,691 | 6,888 | 4,034 | 9,376 |
| 2. | 0,117 | 1,014 | 21,806 | 2,430 | 19,418 | 30,861 | 2,531 | 0,214 | 2,182 | 0,813 | 5,881 | 3,472 | 9,261 |
| 3. | 0,162 | 1,316 | 21,756 | 2,299 | 17,006 | 34,691 | 5,219 | 0,186 | 2,264 | 0,661 | 5,072 | 3,788 | 5,581 |
| 4. | 0,046 | 0,673 | 22,143 | 1,919 | 20,959 | 29,502 | 1,900 | 0,177 | 1,949 | 0,688 | 7,346 | 4,539 | 8,160 |
| 5. | 0,197 | 1,311 | 20,965 | 2,009 | 17,075 | 36,893 | 4,337 | 0,174 | 2,645 | 0,598 | 5,110 | 4,271 | 4,414 |
| 6. | 0,159 | 1,030 | 22,759 | 1,396 | 19,295 | 29,915 | 3,320 | 0,195 | 1,344 | 0,828 | 6,848 | 4,887 | 8,023 |
| 7. | 0,166 | 1,418 | 22,353 | 2,750 | 16,488 | 34,999 | 5,038 | 0,153 | 1,968 | 0,529 | 5,045 | 3,439 | 5,655 |
| 8. | 0,159 | 1,136 | 23,716 | 2,556 | 17,469 | 31,729 | 4,016 | 0,197 | 1,639 | 0,630 | 6,249 | 3,367 | 7,137 |

Tabulka 68 Mastné kyseliny v mozku ve skupině B – deskriptivní statistika (vlastní zpracování)

| Mozková tkáň – skupina B | | | | | | | | | | | | | |
|--------------------------|-------|-------|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| | C12:0 | C14:0 | PA | POA | SA | OA | LA | GLA | ALA | DGLA | AA | EPA | DHA |
| počet hodnot | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| min. | 0,046 | 0,673 | 20,965 | 1,235 | 16,488 | 29,226 | 1,900 | 0,153 | 1,344 | 0,529 | 5,045 | 3,367 | 4,414 |
| max. | 0,227 | 1,418 | 23,716 | 2,750 | 20,959 | 36,893 | 5,219 | 0,234 | 2,645 | 0,828 | 7,346 | 4,887 | 9,376 |
| arit. průměr | 0,154 | 1,147 | 22,257 | 2,074 | 18,450 | 32,227 | 3,622 | 0,191 | 1,968 | 0,680 | 6,055 | 3,975 | 7,201 |
| SD | 0,051 | 0,224 | 0,760 | 0,507 | 1,533 | 2,725 | 1,145 | 0,023 | 0,377 | 0,095 | 0,861 | 0,523 | 1,709 |
| medián | 0,161 | 1,206 | 22,248 | 2,154 | 18,382 | 31,295 | 3,668 | 0,191 | 1,958 | 0,675 | 6,065 | 3,911 | 7,580 |
| 25% percentil | 0,148 | 1,026 | 21,794 | 1,788 | 17,058 | 29,811 | 2,591 | 0,176 | 1,723 | 0,622 | 5,100 | 3,464 | 5,636 |
| 75% percentil | 0,174 | 1,313 | 22,609 | 2,462 | 19,536 | 34,768 | 4,512 | 0,201 | 2,202 | 0,721 | 6,859 | 4,338 | 8,435 |
| normalita | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano | ano |

Tabulka 69 Další sledované parametry v mozku ve skupině B – procentuální zastoupení (vlastní zpracování)

| Mozková tkáň – skupina B | | | | | | | |
|--------------------------|----------|-----------|-----------------|-----------------|-------------|--------|-------------|
| | tSFA [%] | tMUFA [%] | ω -6 [%] | ω -3 [%] | Δ -9 | AA/EPA | Δ -5 |
| 1. | 43,953 | 30,461 | 10,424 | 15,162 | 1,469 | 1,707 | 9,967 |
| 2. | 42,355 | 33,292 | 9,439 | 14,915 | 1,589 | 1,694 | 7,238 |
| 3. | 40,240 | 36,989 | 11,138 | 11,633 | 2,040 | 1,339 | 7,676 |
| 4. | 43,820 | 31,421 | 10,111 | 14,648 | 1,408 | 1,618 | 10,670 |
| 5. | 39,549 | 38,902 | 10,219 | 11,330 | 2,161 | 1,196 | 8,542 |
| 6. | 43,244 | 31,311 | 11,191 | 14,255 | 1,550 | 1,401 | 8,273 |
| 7. | 40,425 | 37,749 | 10,765 | 11,061 | 2,123 | 1,467 | 9,543 |
| 8. | 42,480 | 34,285 | 11,093 | 12,142 | 1,816 | 1,856 | 9,914 |

Tabulka 70 Další sledované parametry v mozku ve skupině B – deskriptivní statistika (vlastní zpracování)

| Mozková tkáň – skupina B | | | | | | | |
|--------------------------|----------|-----------|-----------------|-----------------|-------------|--------|-------------|
| | tSFA [%] | tMUFA [%] | ω -6 [%] | ω -3 [%] | Δ -9 | AA/EPA | Δ -5 |
| počet hodnot | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| min. | 39,549 | 30,461 | 9,439 | 11,061 | 1,408 | 1,196 | 7,238 |
| max. | 43,953 | 38,902 | 11,191 | 15,162 | 2,161 | 1,856 | 10,670 |
| arit. průměr | 42,008 | 34,301 | 10,547 | 13,143 | 1,770 | 1,535 | 8,978 |
| SD | 1,605 | 3,027 | 0,576 | 1,644 | 0,286 | 0,206 | 1,143 |
| medián | 42,417 | 33,788 | 10,594 | 13,199 | 1,703 | 1,543 | 9,043 |
| 25% percentil | 40,379 | 31,393 | 10,192 | 11,557 | 1,530 | 1,386 | 8,124 |
| 75% percentil | 43,388 | 37,179 | 11,104 | 14,715 | 2,061 | 1,697 | 9,927 |
| normalita | ano | ano | ano | ano | ano | ano | ano |