



**HAR XIL TABIIY HUDUDLARDAGI HISORI QO'YLAR POSTNATAL
ONTOGENEZIDA QALQONSIMON BEZLARI O'NG BO'LAGI KATTA YUMALOQ
FOLLIKULASINING O'ZGARISHI**

Dilmurodov Nasriddin Babakulovich,

Allamurodov Oybek Mamasoliyevich,

*Samarqand davlat veterinariya meditsinasi,
chorvachilik va biotexnologiyalar universiteti*

Annotatsiya: *yod tanqisligi turlicha bo'lgan tabiiy sharoitlardagi qo'ylar qalqonsimon bezlar o'ng bo'laklarigi katta yumaloq follikula diametrining postnatal ontogenezda o'zgarish dinamikasi o'rganilgan. qalqonsimon bezning o'ng bo'lagi katta yumaloq follikulasi diametrining mutloq ko'rsatkichi qo'ylar postnatal ontogenezining 3 oyligiga qadar jadal ortishi, 18 oylikkacha sezilarli o'zgarmasligi va Qashqadaryo viloyatidagilarda 60 oylikkacha kamayib borishi, Farg'ona viloyatidagilarda 24 oylikda keskin ko'tarilishi hamda 60 oylikda sezilarli pasayishi aniqlangan; qalqonsimon bezning katta yumaloq follikulasi diametri mutloq ko'rsatkichining o'sish koeffitsiyenti postnatal ontogenezning 3 kunligidan 60 oyligigacha davr ichida Farg'ona viloyati hududidagi qo'ylarda Qashqadaryo viloyatidagilarga nisbatan yuqori bo'lishi kuzatilgan.*

Kalit so'zlar: *histori, endokrin tizim, qalqonsimon bez, o'ng bo'lak, katta yumaloq follikula, postnatal ontogenez, yod tanqisligi, o'sish koeffitsiyenti, morfometrik, mutloq ko'rsatkich.*



Kirish. Endokrin tizim tarkibidagi qalqonsimon bez hayvonlar organizmining hayotiy jarayonlarida juda muhim ahamiyatga ega bo'lib, uning gormonlari umumiy metabolik ta'sirga ega bo'ladi.

Hayvonlarning iqlim-geografik sharoitlari qalqonsimon bezning ishiga ta'sir qiladi, chunki ular biosferaning bir qismi bo'lib, atrof-muhitning o'zgaruvchan omillari doimiy bog'liq bo'ladi. Shuning uchun yilning mavsumi va hududning iqlim xususiyatlari organizmning sog'lig'i darajasiga sezilarli ta'sir qiladi.

Yod tanqisligi bo'lgan sharoitda yashaydigan qo'ylar postnatal ontogenezida qalqonsimon bezning morfometrik ko'rsatkichlari o'rganilgan bo'lib, hayvonning yoshi kattalashgan sari follikulalar miqdorining kamayishi, kolloid bilan to'lgan follikulalar nisbatining ortishi, ularning diametri to'liqsimon o'zgarishi, tireoid epiteliysining balandligi va Braun indeksi 6 oylik qo'zilarida yuqori bo'lishi aniqlangan.

Tekshirish usul va materiallari. Ilmiy tadqiqot ishlari Farg'ona va Qashqadaryo viloyatlari sharoitida parvarish qilingan hisori zotli qo'ylar qalqonsimon bezlari ustida olib borildi. Ilmiy tekshirishlar uchun postnatal taraqqiyotning 3 kunlik, 3, 6, 12, 18, 24, 60 oylik bosqichlaridagi hayvonlarning qalqonsimon bezlari olindi.

Qalqonsimon bezlari gistologik tuzilmalari o'lchamlarini olishda umum qabul qilingan morfologik usublardan foydalanildi.

Ilmiy tekshirishlar natijasida olingan barcha raqamiy ma'lumotlar YE.K.Merkureva uslubi bo'yicha matematik ishlovdan o'tkazildi.

Olingan natijalar va uning muhokamasi. Tadqiqotlar natijasida postnatal ontogenezning turli fiziologik bosqichlarida yod tanqisligi bo'lgan



sharoitdagi hisori zotli qo'ylar qalqonsimon bezlari gistologik tuzilmalarining morfometrik o'lchamlari o'ziga xos o'zgarish dinamikasini namoyon qilishi aniqlandi.

Qashqadaryo viloyati sharoitida parvarish qilingan urg'ochi qo'ylar qalqonsimon bezining o'ng bo'lagidagi katta yumaloq follikula diametrining mutloq ko'rsatkichi postnatal ortogeneznining dastlabki 3 kunligidan 3 oyligiga qadar birmuncha jadal ortib, $635 \pm 16,62$ mkm dan $852 \pm 22,68$ mkm ga yoki shu vaqt oralig'ida uning o'sish koeffitsiyenti 1,34 martaga yetishi hamda keyingi 12 oylikkacha bu ko'rsatkichning kichik yoshdagiga nisbatan sezilarsiz pasayishi va 6 oylikda – $751 \pm 18,22$ mkm ($K=0,88$; $p<0,02$) ga, 12 oylikda – $650 \pm 17,24$ mkm ($K=0,87$; $p<0,03$) ga teng bo'lishi qayd etildi. O'ng qalqonsimon bezning mazkur ko'rsatkichi rivojlanishning 18 oyligida 12 oylikdagiga qaraganda biroz ko'tarilishi ($700 \pm 18,03$ mkm, $K=1,08$; $p<0,03$) hamda 24 oylikda – $650 \pm 16,92$ mkm ($K=0,93$; $p<0,03$) gacha, 60 oylikda $528 \pm 11,23$ mkm ($K=0,81$) gacha tushib borishi kuzatildi. Qalqonsimon bezining o'ng bo'lagidagi katta yumaloq follikula diametri mutloq mutloq ko'rsatkichining o'sish koeffitsiyenti qo'ylar postnatal rivojlanishining o'rganilgan 3 kunligidan 60 oyligigacha bo'lgan davr mobaynida 0,83 martaga teng bo'lishi aniqlandi.

Farg'ona viloyati sharoitida parvarish qilingan urg'ochi qo'ylar qalqonsimon bezi o'ng bo'lagi katta yumaloq follikulasi diametrining mutloq o'lchami postnatal ontogeneznining dastlabki 3 kunligidan 3 oyligiga qadar $646,8 \pm 22,5$ mkm dan $891 \pm 22,7$ mkm gacha yoki shu davr mobaynida uning o'sish koeffitsiyenti 1,38 martagacha jadal ortib, 12 oylikkacha bu jarayonning sekinlik bilan davom etishi va 6 oylikda – $905,8 \pm 22,6$ mkm ($K=1,02$; $p<0,02$) ga, 12 oylikda – $937,6 \pm 21,7$ mkm ($K=1,04$; $p<0,02$) ga yetishi qayd etildi. Qalqonsimon bez o'ng bo'lagining ushbu ko'rsatkichi



rivojlanishning 18 oylik bosqichida 12 oylikdagiga nisbatan deyarli o'zgarmasdan ($851,4 \pm 21,3$ mkm; $K=0,91$), 24 oylikda birmuncha jadal ko'tarilishi ($1500,8 \pm 28,6$ mkm, $K=1,76$; $p < 0,02$) va 60 oylikda – $1036 \pm 22,0$ mkm ($K=0,69$) gacha keskin kamayishi kuzatildi. Qalqonsimon bez o'ng bo'lagidagi katta yumaloq follikulasi diametri mutloq ko'rsatkichining o'sish koeffitsiyenti postnatal rivojlanishning 3 kunligidan 60 oyligigacha bo'lgan vaqt oralig'ida 1,6 martagacha ortishi aniqlandi.

Farg'ona viloyati hududida parvarish qilingan histori zotli erkak jinsli qo'ylar qalqonsimon bezi o'ng bo'lagidagi katta yumaloq follikula diametri postnatal ontogenezning dastlabki 3 kunligida $646,0 \pm 22,5$ mkm ga teng bo'lib, 3 oylikka qadar $890 \pm 22,7$ mkm ($K=1,38$; $p < 0,03$) gacha jadal ortishi, keyingi 12 oylikka qadar kichik yoshdagiga nisbatan bu o'lchamning deyarli o'zgarmasligi va 6 oylikda $901,0 \pm 23,0$ mkm ($K=1,01$; $p < 0,03$), ga, 12 oylikda $908,0 \pm 22,0$ mkm ($K=1,01$) ga teng bo'lishi kuzatildi. Qalqonsimon bezning ushbu ko'rsatkichi rivojlanishning 18 oylik bosqichida 12 oylikdagiga nisbatan sezilarli kamayishi ($798,0 \pm 21,0$ mkm, $K=0,88$), 24 oylikda boshqa yoshdagilarga qaraganda eng yuqori darajaga ($1440 \pm 29,0$ mkm, $K=1,8$; $p < 0,02$) ko'tarilishi, 60 oylikda $997,0 \pm 22,0$ mkm ($K=0,69$) gacha tushishi qayd etildi. Qalqonsimon bez o'ng bo'lagidagi katta yumaloq follikula diametri mutloq ko'rsatkichining o'sish koeffitsiyenti erkak jinsli histori qo'ylar postnatal taraqqiyotining 3 kunligidan 60 oyligiga qadar davr mobaynida 1,54 martagacha ko'tarilib borishi aniqlandi.

Xulosa:

- qalqonsimon bezning o'ng bo'lagi katta yumaloq follikulasi diametrining mutloq ko'rsatkichi Qashqadaryo viloyati hududidagi qo'ylar



postnatal ontogenezining 3 oyligiga qadar jadal ortishi, 18 oylikkacha sezilarli o'zgarimasligi va 60 oylikkacha kamayib borishi qayd etildi;

- qalqonsimon bezning o'ng bo'lagi katta yumaloq follikulasi diametrining mutloq ko'rsatkichi Farg'ona viloyati hududidagi qo'ylar postnatal ontogenezining 3 oyligiga qadar jadal ortishi, 18 oylikkacha deyarli o'zgarimasligi va 24 oylikda keskin ko'tarilishi va 60 oylikda sezilarli pasayishi aniqlandi;

- qalqonsimon bezning o'ng bo'lagi katta yumaloq follikulasi diametri mutloq ko'rsatkichining o'sish koeffitsiyenti postnatal ontogenezning 3 kunligidan 60 oyligigacha davr ichida o'sish koeffitsiyenti Qashqadaryo viloyati hududidagi qo'ylarda 0,83; Farg'ona viloyatidagilarda 1,6 martaga teng bo'ldi.

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