8. LITERATUR

*ABDEL-ATI, K. A., R. BLAIR u. H. L. CLASSEN (1997):
Responses of starting turkeys to dietary fat, vitamin A and D_3.
Sudan J. Vet. Sci. Anim. Husb., 36, 1-2, 76 – 88

*ABOURACHID, A. (1993):
Mechanics of standing in birds: functional explanation of lameness problems in giant turkeys.
Br. Poult. Sci., 34, 887 – 898

*AKPE, M. P., P. E. WAIBEL, K. LARNTZ**,** A. L. METZ, S. L. NOLL u.
M. M. WALSER (1987):
Phosphorus availability bioassay using bone ash and bone densitometry as response criteria.
Poult. Sci., 66, 713 – 720

*ALI, S. Y. (1992):
Matrix formation and mineralisation in bone.
In: WHITEHEAD, C. C. (Hrsg.): Bone Biology and Skeletal Disorders in Poultry.
Carfax Publishing Company, Abington, 19 – 38

*AUCKLAND, J. N. u. T. R. MORRIS (1971a):
Compensatory growth in turkeys: Effect of undernutrition on subsequent protein requirements.
Br. Poult. Sci., 12, 41 – 48

*AUCKLAND, J. N. u. T. R. MORRIS (1971b):
Compensatory growth after undernutrition in market turkeys: Effect of low protein feeding and realimentation on body composition.
Br. Poult. Sci., 12, 137 – 150

*AUCKLAND, J. N. (1973):
Effect of lighting period on performance of male turkeys from 6 to 18 weeks of age.
Br. Poult. Sci., 14, 621 – 626

*AUCKLAND, J. N. (1978):
The effect of photoperiod on performance of male turkeys from 2 to 15 weeks of age.
Br. Poult. Sci., 14, 35 – 39

*BAIN, S. D., J. W. NEWBREY u. B. A. WATKINS (1988):
Biotin deficiency may alter tibiotarsal bone growth and modelling in broiler chicks.
Poult. Sci., 67, 590 – 595

*BAR, A., S. EDELSTEIN, U. EISNER, I. BEN-GAL u. S. HURWITZ (1982):
Cholecalciferol requirements of young turkeys under normal conditions and during recovery from rickets.
J. Nutr., 112, II, 1779 – 1786

*BARRETO, C. u. N. J. WILSMAN (1994):
Hypertrophic chondrocyte volume and growth rates in avian growth plates.
Res. Vet. Sci. 56, 53 – 61

*BAUMANN, G. u. V. BERGMANN (1988):
Wachstumsstörungen des Skeletts bei Enten verschiedener genetischer Konstitutionen.
In: 4. Morphologie-Kolloquium des Wissenschaftsbereichs Anatomie, Histologie und Embryologie der Universität Leipzig

*BEAUMONT, G. D. (1967):
The intraosseus vasculature of the ulna of gallus domesticus.
J. Anat., 101, 543 – 554

*BEGO, U., M. ZOBUNDZIJA, V. NIKOLIC, I. PAVESIC u. J. HANCEVIC (1976):
Some Morphologic observations on the proximal part of the femur in turkeys of different weight.
Veterinarski Arhiv, 46, 175 – 180

*BELYEA, J. L., D. R. LEBOUX u. A. GARCIA (1992):
Bioavailability of phosphorus in stabilized and raw rice bran.
J. Appl. Poult. Res., 1, 3, 315 – 320

*BERGMANN, V. (1982):
Zur Diagnostik von Knochenerkrankungen beim Geflügel.
Mh. Vet. Med., 37, 213 – 216

*BERGMANN, V. (1992):
Erkrankungen des Skelettsystems.
In: HEIDER, G., G. MONREAL u. J. MÉSZÁROS (Hrsg.), Krankheiten des Wirtschaftsgeflügels. Bd. 2,
Fischerverlag Jena, 633 – 666

*BERGMANN, V. (1994):
Leistungsabhängige Gesundheitsstörungen beim Geflügel.
In: Ehrensymposium anläßlich der Verabschiedung von Prof. Dr. habil. K. Löhle (Referatesammlung) – Entwicklungstendenzen in der Kleintierzucht.
Humboldt - Universität zu Berlin, 103 – 116

*BERGMANN, V. u. J. SCHEER (1979):
Ökonomisch bedeutungsvolle Verlustursachen beim Schlachtgeflügel.
Mh. Vet. Med., 34, 543 – 547

*BODEN, E. (1993):
Skeletal disorders.
In: BODEN, E. (Hrsg.): Poultry practice; The In Practice Handbooks.
Baillière Tindall, W. B. Saunders, 113 – 114

*BRANT, A. W. (1998):
A brief history of the turkey.
World`s Poult Sci. J., 54, 365 – 373

*BRENES, J. (1971):
Influence of calcium, phosphorus and vitamin D_3 on performance and bone metabolism of turkeys.
Ph. D. Thesis, University of Minnesota.

*BUDA, S., S. PLATT u. K.-D. BUDRAS (2002):
Sensory nerve endings in the foot pads of the turkey.
Proceedings of the 4th international symposium on turkey diseases, Berlin.
(Ed. H. M. HAFEZ) ISBN 3-936815-58-5 (2002), 78 – 82

*BUTENDIECK, E. (1980):
Die Benennung des Skeletts beim Truthuhn (Meleagris gallopavo) unter Berücksichtigung der Nomina Anatomica Avium (1979).
TiHo Hannover, Vet. Med. Diss.

*CANTOR, A. H., M. A. MUSSER u. W. L. BACON (1980):
The use of bone mineral mass as an indicator of vitamin D status in turkey.
Poult. Sci. 59, 563 – 568

*CARLILE, F. S. (1984):
Ammonia in poultry houses: A literature review.
World´s Poult. Sci., 40, 99 – 113

*CHEREL, Y., M. WYERS u. L. EVIAN (1990):
Tibial dyschondroplasia in turkeys: some relationships between morphometrical measurements and lameness.
J. Vet. Med., Series A, 37, 676 – 685

*CHEREL, Y., C. BEAUMONT, M. WYERS, R. FLEURY u. M. DELAVIGNE (1991):
Estamination of the Incidence and heritability of tibial dyschondroplasia in turkeys.
Avian Pathol., 20, 387 – 401

*CLASSEN, H. L. (1992):
Management factors in leg disorders.
In: WHITEHEAD, C. C. (Hrsg.): Bone Biology and Skeletal Disorders in Poultry.
Carfax Publishing Company, Abington, 195 – 211

*CLASSEN, H. L., C. RIDDELL, F. E. ROBINSON, P. J. SHAND u. A. R. McCURDY (1994):
Effect of lighting treatment on the productivity, health, behaviour, and sexual maturity of heavy male turkeys.
Br. Poult. Sci., 35, 215 – 225

*CRESPO, R., S. M. STOVER, K. T. TAYLOR, R. P. CHIN u. H. L. SHIVAPRASAD (2000):
Morphometric and mechanical properties of femora in young adult male turkeys with and without femora fractures.
Poult. Sci., 79, 602 – 608

*CUMMINGS, T. (1987):
Turkey leg weakness: persistant problem economically important causes largely undetermined treatment unrewarding.
Turkey World, 3-4, 16 – 17

*DÄNNER, E. u. W. BESSEI (2002):
Macro element nutrition of turkeys with special attention to phosphorus.
Proceedings of the 4th international symposium on turkey diseases, Berlin.
(Ed. H. M. HAFEZ) ISBN 3-936815-58-5 (2002), 36 – 39

*DAVIS, N., R. ORLOPP, B. CUDDY, R. SCHERICH, K. WEEDEN, M. SHEA u. L. PICKERING (1995):
Breeder, Hatchery Previews 1996.
Turkey World, 8-9, 14 – 20

*DORR, P. u. S. L. BALLOUN (1976):
Effect of dietary vitamin A, ascorbic acid and their interaction on turkey bone mineralisation.
Br. Poult. Sci., 17, 581 – 599

*DOUGLAS, J. u. N. BUDDIGER (2002):
How today´s social, political and consumer-driven environment influences the business objectives of the primary breeders: Genotype, Environment and Nutrition Interactions.
Proceedings of the 4th international symposium on turkey diseases, Berlin.
(Ed. H. M. HAFEZ) ISBN 3-936815-58-5 (2002), 1 – 11

*DUFF, S. R. I. (1984a):
(I) The morphology of degenerative hip disease in male breeding turkeys. (II) The histopathology of degenerative hip disease in male breeding turkeys.
J. Comp. Pathol., 94, 115 – 139

*DUFF, S. R. I. (1984b):
Osteochondrosis dissecans in turkeys.
J. Comp. Pathol., 94, 467 – 476

*DUFF, S. R. I. (1985):
Further studies of degenerative hip disease: antitrochanteric degeneration in Turkeys and broiler type chickens.
J. Comp. Pathol., 95, 113 – 122

*DUFF, S. R. I., P. M. HOCKING u. R. K. FIELD (1987a):
The gross morphology of skeletal disease in adult male breeding turkeys.
Avian Pathol., 16, 635 – 651

*DUFF, S. R. I., R. B. BURNS u. P. DWIVEDI (1987b):
Skeletal changes in broiler chicks and turkey poults fed diets containing ochratoxin A.
Res. Vet. Sci., 43, 301 – 307

*DUNCAN, I. J. H., E. R. BEATTY, P. M. HOCKING u. S. R. I. DUFF (1991):
Assessment of pain associated with degenerative hip disorders in adult male turkeys.
Res. Vet. Sci., 50, 200 – 203

*EMELE, J. u. J. E. LOHR (2002):
A case of severe infectious arthritis in turkeys: Diagnosis and differential diagnosis.
Proceedings of the 4th international symposium on turkey diseases, Berlin.
(Ed. H. M. HAFEZ) ISBN 3-936815-58-5 (2002), 179 – 187

*FARQUHARSON, C., C. C. WHITEHEAD, S. RENNIE, B. THORP u. N. LOVERIDGE (1992):
Cell proliferation and enzyme activities associated with development of avian dyschondroplasia: an in situ biochemical study.
Bone, 13, 59 – 67

*FELL, H. B. (1925):
The histogenesis of cartilage and bone in the long bones of the embryonic fowl.
J. Morph. Physiol., 40, 417 – 459

*FERKET , P. R. (1992):
Leg problems in turkey toms: Influence of nutrition and management.
Turkeys, 2, 23 – 26

*FRANCESCHINI, M. P. (1967):
On the appearence and evolution of secondary centers of ossification in the tibia of gallus domesticus.
Acta Anat., 68, 169 – 188

*FRANK, R. K., J. A. NEWMANN, S. L. NOLL u G. R. RUTH (1990):
The incidence of perirenal haemorrhage syndrom in six flocks of market turkey tom.
Avian Dis., 34, 824 – 832

*GORDON, R. F., A. E. BEAR, P. J. DALTON, B. S. HANSON, M. J. HEAD, P. LEE, M. C. MORGAN, R. A. N. NAPIER u. C. C. WANNOP (1965):
A new syndrom in the turkey poults.
Vet. Rec., 77, 1292 – 1293

*GRASSO, P. (1968):
Pathological changes in tarsometatarsus from turkeys affected with Turkey Syndrom ´65 (Turkey Y-Disease).
Vet. Rec., 83, 758

*GRAU, H. (1943):
Anatomie der Hausvögel.
In: ELLENBERGER, W., H. BAUM (Hrsg.). Handbuch der vergleichenden Anatomie der Haustiere. 18. Aufl.
Springer – Verlag, Berlin, 1073 – 1082

*GÜNTHER, R. (1997):
Makroskopische, histologische und histometrische Untersuchungen zum Skelettwachstum der Hintergliedmaße von Hühnern einer Legelinie, sowie Vergleich mit einer Mastlinie.
FU Berlin, Vet. Med. Diss.

*GÜNTHER, R. (2000): Persönliche Mitteilung.

*GÜNTHER, R. (2002): Persönliche Mitteilung.

*GÜNTHER, R. (2003): Persönliche Mitteilung.

*GYLSTORFF, I. (1982):
Skeletterkrankungen beim Mastgeflügel.
Wiener Tierärztl. Wschr., 69, 236 – 245

*GYLSTORFF, I. u. F. GRIMM (1998):
Bewegungsapparat-Knochen, Gelenke, Muskulatur.
In: GYLSTORFF, I., F. GRIMM (Hrsg.): Vogelkrankheiten, 2. Aufl.
UTB Ulm, 359 – 364

*HAFEZ, H. M. (1996):
Übersicht über Probleme der haltungs- und zuchtbedingten Erkrankungen bei Mastputen.
Arch. Geflügelk., 60, (6), 249 – 256

*HAFEZ, H. M. (1997):
Sonstige Erkrankungen; Erkrankungen des Skelettsystems.
In: HAFEZ, H. M., S. JODAS (Hrsg.): Putenkrankheiten.
Ferdinand Enke Verlag Stuttgart, 165 – 170

*HAFEZ, H. M. (1999):
Gesundheitsstörungen bei Puten im Hinblick auf die tierschutzrelevanten und wirtschaftlichen Gesichtspunkte.
Arch. Geflügelk., 63, (2), 73 – 76

*HAGEST, T. E., R. M. LEACH u. C. V. GAY (1985):
Avian tibial dyschondroplasia I. Ultrastructure.
Amer. J. Pathol., 119, 175 – 190

*HEDSTROM, O. R., N. F. CHEVILLE u. L. L. HORST (1986):
Pathology of vitamin D deficiency in growing turkeys.
Vet. Pathol. 23, 485 – 498

*HEIM, G. (1990):
Beinschwäche-Syndrom bei Mastputen: Einflüsse von verschiedenen Vitamin D-Metaboliten und von Vitamin C.
Universität München, Vet. Med. Diss.

*HESTER, P. Y., R. G. ELKIN u. P. M. KLINGENSMITH (1983):
Effects of high intensity step - up and low step - down lighting programs on the incidence of leg abnormalities in turkeys.
Poult. Sci., 62, 887 – 896

*HESTER, P. Y., I. C. PENG, R. L. ADAMS, E. J. FURUMOTO, J. E. LARSEN, P. M. KLINGENSMITH, A. O. PIKE u. W. J. STADELMANN (1986):
Comparison of two lighting regimes and drinker cleaning programmes on the performance and incidence of leg abnormalities in turkey males.
Br. Poult. Sci., 27, 63 – 73

*HESTER, P.Y., A. L. SUTTON u. R. G. ELKIN (1987):
Effect of light intensity, litter source and litter management on the incidence of leg abnormalities and performance of male turkey.
Poult. Sci., 66, 666 – 675

*HESTER, P. Y. u. H. KOHL (1989):
Effect of intermittent lighting and time of hatch on large broad-breasted white turkey.
Poult. Sci., 68, 528 – 538

*HESTER, P. Y., H. KOHL u. J. P. McMURTRY (1989):
Plasma insulin and glucagon levels and leg measurements of lame turkeys.
Poult. Sci., 68, 1294 – 1298

*HESTER, P. Y., K. K. KRUEGER u. M. JACKSON (1990):
The effect of restrictive and compensatory growth on the incidence of leg abnormalities and performance of commercial male turkeys.
Poult. Sci., 69, 1731 – 1742

*HIFNY, A., K. E. H. ABDALLA, M. A. ALAM EL-DIN u. A. I. MOAWD (1989):
Relation of weight and length of the bones of appendicular skeleton to the mode of locomotion in different birds.
J. Vet. Med., 18, 273 – 274

*HINSHAW, W. R. u. A. S. ROSENWALD (1953):
Turkey Diseases.
University of California, Agric. Exp. Sta. Manual

*HIRT, H. (1998):
Zuchtbedingte Haltungsprobleme am Beispiel der Mastputen.
Tierärztl. Umsch., 53, 137 – 140

*HOCKING, P. M. (1991):
Effect of controlling bodyweight on the semen production of large white turkey males.
Br. Poult. Sci., 32, 211 – 218

*HOCKING, P. M. u. M. LYNCH (1991):
Histopathology of antitrochanteric degeneration in adult female turkeys of four strains of different mature size.
Res. Vet. Sci., 51, 327 – 331

*HOGG, D. A. (1980):
A re - investigation of the centres of ossification in the avian skeleton at and after hatching.
J. Anat. 130, 725 – 743

*HOWLETT, C. R. (1979):
The fine structure of the proximal growth plate of the avian tibia.
J. Anat. 128, (2), 377 – 399

*HOWLETT, C. R. (1980):
The fine structure of the proximal growth plate and metaphysis of the avian tibia: Endochondral osteogenesis.
J. Anat. 130, (4), 745 – 768

*HOWLETT, C. R., M. DICKSON, A. K. SHERIDAN (1984):
The fine structure of the proximal growth plate of the avian tibia: Vascular supply.
J. Anat., 139, 115 – 132

*HUFF, W. E., G. R. HUFF, F. D. CLARK, P. A. MOORE jr., N. C. RATH, J. M. BALOG, D. M. BARNES, G. F. ERF u. K. W. BEARS (1999):
Research on the probable cause of an outbreak of field rickets in turkeys.
Poult. Sci., 78, 12, 1699 – 1702

*HURWITZ, S., A. BAR u. A. MESHORER (1973):
Field rickets in turkey poults: Plasma and bone chemistry, bone histology, intestinal calcium-binding protein.
Poult. Sci. 52, 1370 – 1374

*HURWITZ, S. u. A. BAR (1981):
Calcium, phosphorus und Vitamin-D deficiencies in young turkeys: Diagnosis and treatment.
Minnesota Turkey Research. University of Minnesota,
Agric. Exp. Sta. Reports, 179, 33 – 41

*HURWITZ, S., H. TALPAZ, I. BARTOV u. I. PLAVNIK (1991):
Characterization of growth and development of male British United Turkeys.
Poult. Sci., 70, 2419 – 2424

*HURWITZ, S., E. LIVNE, I. PLAVNIK, M. PINES u. M. SILBERMANN (1992):
Tibia development in turkeys and chickens affected by early age feed restriction.
Growth Development Aging, 56, 191 – 203

*JENSEN, M. M., W. C. DOWNS, D. J. MORREY, T. R. NICOLL, S. D. Le FEVRE u. C. M. MEYERS (1987):
Staphylococcosis of turkeys. I. Portal of entry and tissue colonisation.
Avian Dis., 31, 64 – 69

*JOHNSON, A. S. u. V. S. ASMUNDSON (1957):
Genetic and environment factors affecting size of body and body parts of turkeys.
Poult. Sci., 36, 296 – 301

*JORDAN, F. T. W. (1990):
Diseases of the musculoskeletal system.
In: JORDAN, F. T. W. (Hrsg.): Poultry diseases, 3. Aufl.
Baillière Tindall, London, Philadelphia, Toronto, Sydney, Tokyo, 254 – 283

*JULIAN, R. J. (1984):
Tendon avulsion as a cause of lameness in turkeys.
Avian Dis., 28, 244 – 250

*JULIAN, R. J (1985):
Osteochondrosis, dyschondroplasia and osteomyelitis causing femoral head necrosis in turkeys.
Avian Dis., 29, 854 – 866

*JULIAN, R. J. u. M. K. BHATNAGAR (1985):
Cartilage lesions associated with shaky leg lameness in turkeys.
Avian Dis., 29, 218 – 232

*JULIAN, R. J. (1998):
Lameness and leg problems in Poultry. I. Non infectious conditions und II. Infectious etiologies.
In: SERGIO CORNEJO V., HÉCTOR HIDALGO O. (Hrsg.): VI seminario internacional de patologia y produccion avicola
AMEVEA- Santiago, Chile, 111 – 123, 167 – 175

*JULIAN, R. J. u. P. GAZDZINSKI (1999):
Skeletal disorders in Turkeys: Diagnosis and control.
Proceedings of the 2nd international symposium on turkey diseases, Berlin.
(Ed. H. M. HAFEZ) ISBN 3-930511-75-4 (1999), 18 – 29

*KEMBER, N. F., J. K. KIRKWOOD, P. J. DUIGNAN, D. GODFREY u. D. J. SPRATT (1990):
Comperative cell kinetics of avian growth plates.
Res. Vet. Sci. 49, 283 – 288

*KING, A. S. u. J. McLELLAND (1978):
Anatomie der Vögel. 2 Skelettsystem.
Verlag Eugen Ulmer Stuttgart, 21 – 23

*KIRN, B. N. u. J. D. FIRMAN (1993):
Leg strength and performance of large white tom turkeys fed various protein and energy levels.
Avian Dis., 37, 37 – 46

*KLINGENSMITH, P. M., P. Y. HESTER, R. G. ELKIN u. C. R. WARD (1986):
Relationship of high intensity step - up lighting to bone ash and growth plate closure of the tarsometatarsus in turkeys.
Br. Poult. Sci., 27, 487 – 492

*KNOPOV, V., D. HADASH, S. HURWITZ, R. M. LEACH u M. PINES (1997):
Gen expression during cartilage differentation in turkey tibial dyschondroplasia, evaluated by in situ hybridization.
Avian Dis., 41, 1, 62 – 72

*LAURSEN-JONES, A. P. (1968):
Leg abnormality in Turkey poults.
Vet. Rec., 83, 597 – 598

*LEACH, R. M. u. W. O. TWAL (1994):
Autocrine, paracrine and hormonal signals involved in growth plate chondrocyte differentation.
Poult. Sci., 73, 883 – 888

*LEBLANC, B., M. WYERS, F. COHN-BENDIT, J. M. LEGALL, E. THIBAULT u. J. M. FLORENT(1986):
Histology and histomorphometry of the tibia growth in two turkey strains.
Poult. Sci., 65, 1787 – 1795

*LEESON, S. u. J. D. SUMMERS (1988):
Some nutritional implications of leg problems with poultry.
Br. Vet. J., 144, 81 – 92

*LEVENICK, C. K. u. A. T. LEIGHTON Jr. (1988):
Effects of photoperiod and filtered light on growth, reproduction, and mating behaviour of turkeys. 1. Growth performance of two lines of males and females.
Poult. Sci., 67, 1505 – 1513

*LIEBERMANN, H. (1992):
Lehrbuch der veterinärmedizinischen Virologie.
Gustav Fischer Verlag Jena, Stuttgart, 45 – 46

*LIEBICH, H.-G. (1993):
III Binde- und Stützgewebe.
In: LIEBICH, H.-G. (Hrsg.), Funktionelle Histologie. 2. Aufl.
Schattauer Verlag, Stuttgart, New York, 46 – 73

*LILBURN, M. S u. R. M. LEACH (1980):
Metabolism of abnormal cartilage cells associated with tibial dyschondroplasia.
Poult. Sci., 59, 1892 – 1896

*LILBURN, M. S. u. K. E. NESTOR (1991):
Body weight and carcass development in different lines of turkey.
Poult Sci., 70, 2223 – 2231

*LILBURN, M. S. (1994):
Skeletal growth of commercial poultry species.
Poult. Sci., 73, 897 – 903

*LOVERIDGE, N., B. M. THOMSON u. C. FARQUHARSON (1992):
Bone growth and turnover.
In: WHITEHEAD, C. C. (Hrsg.): Bone Biology and Skeletal Disorders in Poultry.
Carfax Publishing Company, Abington, 3 – 17

*LUBOSCH, W. (1924):
Die Bildung des Markknochens beim Hühnchen und bei Säugetieren und das Wesen der enchondralen Ossifikation in historischer Betrachtung.
Gegenbauers morphologisches Jahrbuch, 53, 49 – 93

*LUTFI, A. M. (1970a):
Study of cell multiplication in the cartilaginous upper end of the tibia of the domestic fowl by tritiated thymidine autoradiography.
Acta Anat., 76, 454 – 463

*LUTFI, A. M. (1970b):
Mode of growth, fate and functions of cartilage canals.
J. Anat., 106, 135 – 145

*LUTFI, A. M. (1974):
The ultrastructure of cartilage cells in epiphyses of long bones in the domestic fowl.
Acta Anat., 87, 12 – 21

*LYNCH, M., B. H. THORP u. C. C. WHITEHEAD (1992):
Avian tibial dyschondroplasia: A sequential radiological study.
Avian Pathol., 21, 275 – 285

*MÄNNER, K. (2002):
Concepts in feed compounds for disease avoidence and health maintenance of turkeys.
Proceedings of the 4th international symposium on turkey diseases, Berlin.
(Ed. H. M. HAFEZ) ISBN 3-936815-58-5 (2002), 30 – 35

*MAIERL, J., H.-G. LIEBICH u. H. E. KÖNIG (2001):
4 Beckengliedmaßen (Membra pelvica).
In: KÖNIG, H. E., H.-G. LIEBICH (Hrsg.): Anatomie und Propädeutik des Geflügels.
F. K. Schattauer Verlagsgesellschaft mbH, 55 – 65

*MARTIN, A. V. W. (1954):
An electron microscope study of the cartilaginous matrix in developing tibia of the fowl.
J. Embryol. Exp. Morph., 2, 38 – 48

*MARTLAND, M. F. (1984):
Wet litter as a cause of plantar pododermatitis, leading to foot ulceration and lameness in fattening turkeys.
Avian Pathol., 13, 241 – 252

*McCAPES, R. H. (1967):
Lameness in turkey due to faulty bone formation.
Anim. Nutr. Hlth., 22, 17 – 18

*McCARTNEY, M. G., K. E. NESTOR u. W. R. HARVEY (1968):
Genetics of growth and reproduction in the turkey. 2. Selection for increased body weight and egg production.
Poult. Sci., 47, I, 981 – 990

*METZ, A. L., M. M. WALSER u. W. G. OLSON (1985):
The interaction of dietary vitamin A and vitamin D related to skeletal development in the turkey Poult.
J. Nutr., 115, 929 – 935

*MEYER, G. B., S. W. BABCOCK u. M. L. SUNDE (1968):
An accurate in vivo technique for measuring bone mineral mass in chickens.
J. Nutr. 195 – 205

*MITCHELL, A. D., R. W. ROSEBROUGH u. J. M. CONWAY (1997):
Body composition analysis of chickens by dual energy X-ray absorptiometry.
Poult. Sci., 76, 1746 – 1752

*MORRIS, M. P. u. O. J. FLETCHER (1988):
Diagnostic summary of 1986 Turkey, broiler breeder, and layer necropsy cases at the university of georgia.
Avian Dis., 32, 391 – 403

*MUTALIB, A., M. HOLLAND, H. J. BARNES u. C. BOYLE (1996):
Ultrasound for detecting osteomyelitis in turkeys.
Avian Dis., 40, 321 – 325

*MUTALIB, A u. W. MASLIN (1996):
Proximal tibiotarsal infarcts in turkeys.
Avian Dis., 40, 807 – 812, 10 ref.

*NAHORNIAK, N. A., P. E. WAIBEL, W. G. OLSON, M. M. WALSER u. H. E. DZIUK (1983):
Effect of dietary sodium fluoride on growth and bone development in growing turkeys.
Poult. Sci., 62, 2048 – 2055

*NAIRN, M. E. u. A. R. A. WATSON (1972):
Leg weakness of poultry - a clinical and pathological characterisation.
Aust. Vet. J., 48, 645 – 656

*NAIRN, M. E. (1973):
Bacterial osteomyelitis and synovitis of the turkey.
Avian Dis., 17, 504 – 517

*National Turkey Federation (1971):
Procc. Symp. on leg weakness in turkeys., 13 – 21

*NESTOR, K. E., M. G. McCARTNEY u. W. R. HARVEY (1967):
Genetics of growth and reproduction in the turkey. 1. Genetic and non-genetic variation in body weight and body measurements.
Poult. Sci., 46, 1374 – 1384

*NESTOR, K. E., M. G. McCARTNEY u. N. BACHEV (1969):
Relative contributions of genetics and environment to turkey improvement.
Poult. Sci., 48, II, 1944 – 1949

*NESTOR, K. E. (1971):
Crooked toes in turkeys.
Poult. Sci., 50, 1887 – 1888

*NESTOR, K. E (1984):
Genetics of growth and reproduction in turkey. 9. Long-term selection for increased 16-week body weight.
Poult. Sci., 63, 2114 – 2122

*NESTOR, K. E., W. L. BACON, Y. M. SAIF u. P. A. RENNER (1985):
The influence of genetic increases in shank width on body weight, walking ability and reproduction of turkeys.
Poult. Sci., 64, 2248 - 2255

*NESTOR, K. E., W. L. BACON, P. D. MOORHEAD, Y. M. SAIF, G. B. HAVENSTEIN u. P. A. RENNER (1987):
Comparison of bone and muscle growth in turkey lines selected for increased body weight and increasd shank width.
Poult. Sci., 66, 1421 – 1428

*NESTOR, K. E., W. L. BACON, G. B. HAVENSTEIN, Y. M. SAIF u. P. A. RENNER (1988):
Carcass traits of turkeys from lines selected for increased growth rates or increased shank width.
Poult. Sci., 67, 1660 – 1667

*NEUMANN, C. u. R. BASSLER (1993):
Methodenbuch, VDL LUFA - Verband deutscher landwirtschaflicher Untersuchungs- und Forschungsanstalt, Darmstadt

*NIXEY, C. u. T. C. GREY (1989):
Nutritional responses of growing turkeys.
In: NIXEY, C (Hrsg.), Recent advances in turkey science.
Poult. Sci. Symp. 21, Butterworth, London 183 - 199

*OJU, E. M., P. E. WAIBEL u. S. L. NOLL (1988):
Early protein undernutrition and subsequent realimentation in turkeys. 1. Effect of performance and body composition.
Poult. Sci., 67, 1750 – 1759

*ORTH, M. W. u. M. E. COOK (1994):
Avian tibial dyschondroplasia: a morphological and biochemical review of growth plate lesion and ist causes.
Vet. Pathol. 31, 403 – 414

*OWINGS, W. J. (1985):
Iowa turkey health surveys.
Poult. Sci. Suppl., 64, 157 – 158

*PATTISON, M. (1992):
Impact of bone problems on the poultry meat industry.
In: WHITEHEAD, C. C. (Hrsg.): Bone Biology and Skeletal Disorders in Poultry.
Carfax Publishing Company, Abington, 329 – 338

*PERRY, R. W., G. N. ROWLAND, T. L. FOUTZ u. J. R. GLISSON (1991a):
Poultry Malabsorptionssyndrom. III; Skeletal lesions in market aged turkeys
Avian Dis., 35, 707 – 713

*PERRY, R. W., G. N. ROWLAND u. W. M. BRITTON (1991b):
Pathology of experimental vitamin D deficiency in turkey and the effect of various vitamin D supplements.
Avian Dis. 35, 3, 542 – 553

*PETERMANN, S. (1998):
Tierschutzrelevante Mindestanforderungen für die intensive Putenmast in Niedersachsen.
In: Tierschutz u. Nutztierhaltung; Tagung der DVG Fachgruppen “Tierschutzrecht und gerichtl. Vet. Med.” und “Tierzuchtbpathologie und Haustiergenetik”,
Nürtingen, 121 – 131

*PIERSON, F. W., P. Y. HESTER. u. E. K. WILSON (1980):
The effect of stressors of the incidence of leg abnormalities in the male turkey.
Poult. Sci., 59, 1651 – 1652

*PINES, M. u. S. HURWITZ (1991):
The role of the growth plate in longitudinal bone growth.
Poult. Sci., 70, 1806 – 1814

*PINES, M., E. MONSONEGO, V. KNOPOV, T. BARAK-SHALOM u. S. HURWITZ (1995):
The involvement of the epiphyseal growth plate in longitudinal bone growth and tibial dyschondroplasia.
Arch. Geflügelk., Sonderheft 1, 28 – 30

*POULOS, P. W. (1978):
Tibial dyschondroplasia (Osteochondrosis) in the Turkey a morphological investigation.
Acta Radiol. Suppl., 358, 197 – 227

*POULOS, P. W. (1980):
The contribution of osteochondrosis to the leg weakness problem.
Turkeys, 28, 45 – 46

*PRUSAS, C. u. H. M. HAFEZ (2002):
Mixed infection of meat turkeys with turkey adenovirus and reovirus.
Proceedings of the 4th international symposium on turkey diseases, Berlin.
(Ed. H. M. HAFEZ) ISBN 3-936815-58-5 (2002), 220 – 228

*QIAN, H., E. T. KORNEGAY u. H. P. VEIT (1996):
Effect of supplemental phytase and phosphorus on histological, mechanical and chemical traits of tibia and performance of turkeys fed on soyabean-meal-based semi-purified diets high in phytate phosphorus.
Br. J. Nutr., 76, 263 – 272

*RANAWEERA, K. N. P. u. D. R. WISE (1981):
The effect of trienbolone acetate on carcass composition, conformation and skeletal growth of turkeys.
Br. Poult. Sci., 22, 105 – 114

*RATH, N. C., G. R. BAYYARI, J. M. BALOG u. W. E. HUFF (1994a):
Physiological studies of turkey tibial dyschondroplasia.
Poult. Sci., 73, 416 – 424

*RATH, N. C., G. R. BAYYARI, J. N. BEASLEY, W. E. HUFF u. J. M. BALOG (1994b):
Age-related changes in the incidence of tibial dyschondroplasia in turkeys.
Poult. Sci., 73, 1254 – 1259

*RATH, N. C., W. E. HUFF, J. M. BALOG u. G. R. BAYYARI (1996):
Physiology of tibial dyschondroplasia in poultry.
Procc. XX. World`s Poultry Congress, New Delhi, India 2, 23 – 32

*RATH, N. C., W. E. HUFF, G. R. BAYYARI u. J. M. BALOG (1998):
Cell death in avian tibial dyschondroplasia.
Avian Dis., 42, 72 – 79

*RATH, N. C., G. R. HUFF, W. E. HUFF u. J. M. BALOG (2000):
Factors regulating bone maturity and strength in poultry.
Poult. Sci., 79, 1024 – 1032

*RAVINDRAN, V., E. T. KORNEGAY, D. M. DENBOW, Z. YI u. R. M. HULET (1995):
Response of turkey poults to tiered levels of Natuphos® Phytase added to soybean meal-based semi-purified diets containing three levels of nonphytate phosphorus.
Poult. Sci., 74, 1834 – 1854

*REECE, R. L. u. R. BUTLER (1984):
Some observations of the development of long bones of ratite birds.
Austr. Vet. J., 61, 12, 403 – 405

*REECE, R. L. (1992)
The role of infectious agents in leg abnormalities in growing birds.
In: WHITEHEAD, C. C. (Hrsg.): Bone Biology and Skeletal Disorders in Poultry.
Carfax Publishing Company, Abington, 231 – 263

*REINMANN, M. (2002):
The prevalence and severity of tibial dyschondroplasia in six genetically different turkey strains.
Proceedings of the 4th international symposium on turkey diseases, Berlin.
(Ed. H. M. HAFEZ) ISBN 3-936815-58-5 (2002), 67 – 68

*RICHMANN, GELFAND u. HILL (1968):
1664 Eine Beschleunigung der Entkalkung durch Elektrolyse.
In: ROMEIS, B. (Hrsg.): Mikroskopische Techniken. 16. Aufl.
R. Oldenbourg Verlag, München, Wien, 400 – 401

*RIDDELL, C. (1980):
A survey of skeletal disorders in five turkey flocks in Saskatchewan.
Can. J. Comp. Med., 44, 275 – 279

*RIDDELL, C. (1981):
Skeletal deformities in poultry.
Adv. Vet. Sci. Comp., 25, 277 – 311

*RIDDELL, C. (1983):
Rickets in turkey poults.
Avian Dis., 27, 2, 430 – 441

*RIDDELL, C. (1992):
Non - infectious skeletal disorders of poultry: an overview.
In: WHITEHEAD, C. C. (Hrsg.): Bone Biology and Skeletal Disorders in Poultry.
Carfax Publishing Company, Abington, 119 – 145

*RIDDELL, C. (1997):
Development, metabolic, and other noninfections disorders. Diseases of the skeleton.
In: CALNEK, B. W. (Hrsg.): Diseases of poultry, 10 ed.
Iowa State University Press, Ames, Iowa, USA, 913 – 950

*ROMANOFF, A. L. (1960):
The avian embryo. The skeletal system and the integument. Development of the hindlimb.
The Macmillan Company, New York, 1011 – 1016

*ROONEY, P. u. C. W. ARCHER (1992):
The development of the perichondrium in the avian ulna.
J. Anat., 181, 393 – 401

*RÜGER, S. (1993):
Untersuchungen zum Skelettwachstum von Junghühnern einer Mastlinie anhand einer makroskopischen, histologischen und histometrischen Analyse der Beckengliedmaßenentwicklung.
Humboldt – Universität zu Berlin, Vet. Med. Diss.

*SALEM, R. M. T., A. R. MAHMOUD u. A. M. HAMMAD (2002):
Mycosis and mycotoxicosis as a field problem in turkey farms.
Proceedings of the 4th international symposium on turkey diseases, Berlin.
(Ed. H. M. HAFEZ) ISBN 3-936815-58-5 (2002), 60 – 65

*SALOMON, F.-V., T. ANGER, H. KRUG, U. GILLE u. H. PINGEL (1990):
Zum Wachstum von Skelett, Knorpelmasse und Muskelfaserdurchmesser der Pute (Meleagris gallopavo) vom Schlupf bis zum 224. Lebenstag.
Anat. Histol. Embryol., 19, 314 – 325

*SALOMON, F.-V. (1993):
Lehrbuch der Geflügelanatomie. Bewegungsapparat,
Gustav Fischer Verlag Jena, Stuttgart, 55 – 63, 413 – 421

*SANDERS, A. M. u. H. M. EDWARDS jr. (1991):
The effect of 1,25 Dihydroxycholecalciferol on performance and bone development in the turkey poult.
Poult. Sci., 70, 853 – 866

*SCHAUDER, W. (1923):
Anatomie der Hausvögel. I. Das Skelett.
In: MARTIN, P. (Hrsg.): Lehrbuch der Anatomie der Haustiere, Bd. IV, 2. Aufl.
Verlag Schickhardt und Ebner, Stuttgart, 339 – 354

*SCHUMMER, A. (1992):
Anatomie der Vögel.
In: NICKEL, R., A. SCHUMMER, E. SEIFERLE (Hrsg.): Lehrbuch der Anatomie der Haustiere. Bd. V, 2. Aufl.
Parey Verlag, Berlin, Hamburg 123 – 137

*SCHUWERK, K. H. (1989):
Therapieversuch zur Beeinflussung der “Beinschwäche” beim Truthahn der BIG-6-Linie mit Vitamin D-Metaboliten.
Universität München, Vet. Med. Diss.

*SCHWARZE, E. u. L. SCHRÖDER (1985):
Kompendium der Geflügelanatomie. Der Bewegungsapparat, 4. Aufl.
Gustav Fischer Verlag, Jena, 26 – 31

*SHAH, S. S. A. (1985):
Untersuchungen über den Einfluß des Proteingehaltes im Futter auf das Wachstum der langen Röhrenknochen von Broilern verschiedener Herkunft (Morphologische Untersuchungen und Mineralstoffbestimmung).
Universität München, Vet. Med. Diss.

*SHIVAPRASAD, H. L., R. P. CHIN, R. CRESPO, P. R. WOOLCOCK,
B. CHARLTON, G. COOPER u. A. BICKFORD (2002):
Turkey diseases trends between 1989 and 2001 in California.
Proceedings of the 4th international symposium on turkey diseases, Berlin.
(Ed. H. M. HAFEZ) ISBN 3-936815-58-5 (2002), 40 – 42

*SILLER, W. G. (1970):
Tibial dyschondroplasia in the fowl.
J. Pathol., 101, 39 – 46

*SIOPES, T. D., M. B. TIMMONS, G. R. BAUGHMAN u. C. R. PARKHURST (1983):
The effect of light intensity on growth performance of male turkeys.
Poult. Sci., 62, 2336 – 2342

*SMOLLICH, A. (1990):
Knorpelgewebe. Knochengewebe.
In: SAJONSKI, H., A. SMOLLICH (Hrsg.): Zelle und Gewebe, 7. Aufl.
Hirzel Verlag Leipzig, 203 – 217

*SOBOYEJO, A. B. O. u. K. E. NESTOR (2000):
A new statistical biomechanics approach to modelling bone strength in turkeys and broiler chickens.
Transactions of the ASAE, 43, 6, 1997 – 2006

*SØRENSEN, P. (1992):
The genetics of leg disorders.
In: WHITEHEAD, C. C. (Hrsg.). Bone Biology and Skeletal Disorders in Poultry.
Carfax Publishing Company, Abington, 119 – 145

*SPEDDING, C. (1995):
Report on the Welfare of turkeys.
FAWC. Tolworth Tower. Surbition, Surrey KT6 7DX, 1 – 37

*STARCK, D. (1979):
Vergleichende Anatomie der Wirbeltiere auf evolutionsbiologischer Grundlage.
2 Das Skelettsystem. Die hintere Extremität der Vögel.
Springer Verlag Berlin, Heidelberg, New York, 638 – 642

*STEVENS, V. I. u. R. BLAIR (1983):
Dietary levels of fat, calcium and vitamin A and D_3 as contributory factors to rickets in poultry.
Poult. Sci., 62, 2073 – 2082

*STEVENS, V. I., R. BLAIR u. R. E. SALMON (1984):
Effects of vitamin D_3, calcium and phosphorus on growth and bone development of market turkeys.
Poult. Sci., 63, 1571 – 1585

*STEVENS, V. I. u. R. E. SALMON (1989):
Beta-carotine supplementation of turkey diets varying in fat and retinol.
Br. Poult. Sci., 30, 877 – 887

*SULLIVAN, T. W. u. Y. Y. AL-UBAIDI (1963):
Linear growth and mineralisation of bones in broad breasted bronze turkeys.
Poult. Sci., 42, 46 – 49

*SULLIVAN, T. W. (1994):
Skeletal problems in poultry: estimated annual cost and descriptions.
Poult. Sci., 73, 879 – 882

*SWARBRICK, O. (1966):
Leg weakness in turkeys associated with deformity of digital bone.
Vet. Rec., 79, 330 – 331

*THORP, B. H. (1986):
Vascular pattern of the developing proximal femur in the domestic fowl.
Res. Vet. Sci., 40, 231 – 235

*THORP, B. H. (1988a):
Vascular pattern of the developing knee joint in the domestic fowl.
Res. Vet. Sci., 44, 89 – 99

*THORP, B. H. (1988b):
Vascular pattern of the developing intertarsal joint in the domestic fowl.
Res. Vet. Sci., 44, 100 – 111

*THORP, B. H. (1988c):
Relationship between the rate of longitudinal bonegrowth and physeal thickness in the growing fowl.
Res. Vet. Sci., 45, 83 – 85

*THORP, B. H. (1992):
Abnormalities in the growth of leg bones.
In: WHITEHEAD, C. C. (Hrsg.), Bone Biology and Skeletal Disorders in Poultry.
Carfax Publishing Comp., Abington, 147 – 166

*THORP, B. H. (1994):
Skeletal disorders in the fowl: a review.
Avian Pathol., 23, 203 – 236

*THORP, B. H., C. C. WHITEHEAD u. J. S. RENNIE (1991):
Avian tibial dyschondroplasia: a comparison of the incidence and severity assessed by gross examination and histopathology.
Res. Vet. Sci., 51, 48 – 54

*THORP, B. H., S. B. JAKOWLEW u. C. GODDARD (1995):
Avian dyschondroplasia: local deficiencies in growth factors are integral to the aetiopathogenesis.
Avian Pathol., 24, 135 – 148

*TROUP, C. M. (1982):
The pathogenesis of field rickets in turkey poults.
Dissertation-Abstracts-International, -B. 1982, 42, 10, 3974

*TOELLE, V. D., G. B. HAVENSTEIN, K. E. NESTOR u. W. L. BACON (1990):
Estaminates of genetic parameters in turkeys. 3. sexual dimorphismus and its implications in selection procedures.
Poult. Sci., 69, 1634 – 1643

*VAN BEEK, P. N. M. G., A. FEBERWEE, T. H. F. FABRI u. M. W. G. H. HEIJMANS (2002):
Longitudinal field study on the presence of Mycoplasma synoviae in commercial turkey flocks with arthritis.
Proceedings of the 4th international symposium on turkey diseases, Berlin.
(Ed. H. M. HAFEZ) ISBN 3-936815-58-5 (2002), 177 – 178

*VITOROVIC, D., Z. NIKOLIC u. D. CVETCOVIC (1995):
In vivo Tetracycline labelling as a measure of roaring-system influence on chicken-bone dynamics.
Anat. Histol. Embryol., 24, 2, 85 – 86

*WANNOP, C. C., E. J. BUTLER u. A. W. PEARSON (1971):
Experimental reproduction of Turkey Syndrom ´65 by infection with Mycoplasma gallisepticum.
Vet. Rec., 88, 30 – 31

*WALSER, M. M., G. F. HANLON, J. A. NEWMAN, H. E. DZIUK, W. O. OLSON u. P. E. WAIBEL (1980):
“Field rickets” in turkey poults: Field observations and pathological, radiological and serological findings.
Avian Dis., 24, 309 – 316

*WALSER, M. M., F. L. CHERMS u. H. E. DZIUK (1982):
Osseus development and tibial dyschondroplasia in five lines of turkeys.
Avian Dis., 26, 2, 265 – 270

*WESS, T. J., L. WESS u. P. M. HOCKING (1997):
The structure of avian cartilage : a combined X-ray and biochemical analysis.
J. Comp. Pathol., 116, 145 – 155

*WHITEHEAD, C. C. (1996):
Nutrition and bone disorders in poultry.
Procc. XX. World`s Poultry Congress, New Delhi, India 2, 161 – 172

*WIELICZKO, A., P. BUGAJAK, Z. KUJWSKI, A. RYBCZYNSKI, M. CHUDZIK u. M. URBANOWSKI (2002):
REO-Immunoprophylaxis: Influence on economic performance in commercial turkey flocks.
Proceedings of the 4th international symposium on turkey diseases, Berlin.
(Ed. H. M. HAFEZ) ISBN 3-936815-58-5 (2002), 229 – 237

*WISE, D. R. u. A. R. JENNINGS (1973):
The development and morphology of the growth plates of two long bones of the turkey.
Res. Vet. Sci., 14, 161 – 166

*WISE, D. R., A. R. JENNINGS u. D. E. BOSTOCK (1973a):
Perosis in Turkeys.
Res. Vet. Sci., 14, 167 – 172

*WISE, D. R., M. K. BOLDERO u. G. A. THORNTON (1973b):
The pathology and aetiology of Turkey Syndrom ´65 (T. S. ´65).
Res. Vet. Sci., 14, 194 – 200

*WISE, D. R. (1975):
Skeletal abnormalities in table poultry- a review.
Avian Pathol., 4, 1 – 10

*WISE, D. R. u. M. K. FULLER (1975):
Experimental reproduction of Turkey Syndrom ´65 with Mycoplasma meleagridis und Mycoplasma gallisepticum and associated changes in serum protein characteristics.
Res. Vet. Sci., 19, 201 – 203

*WISE, D. R. (1977):
Skeletal disorders.
In: GORDON, R. F. (Hrsg.): Poultry diseases.
Baillière Tindall, London, 173 – 182

*WISE, D. R. u. K. N. P. RANAWEERA (1978):
Shaky leg syndrome and hip lesions in turkeys.
Vet. Rec., 103, 206 – 209

*WISE, D. R. (1979):
Nutrition-disease interactions of leg weakness in poultry.
In: HARESIGN, D. L. u. L. BUTTERWORTHS (Hrsg.): Recent Advances in Animal Nutrition, 41 – 57

*WOLBACH, S. B. u. D. M. HEGSTED (1952):
Endochondral bone growth in the chick.
Arch. Pathol., 54, 1 – 12

*WYERS, M., Y. CHEREL u. G. PLASSIART (1991):
Late clinical expression of lameness related to associated osteomyelitis and tibial dyschondroplasia in male breeding turkeys.
Avian Dis., 35, 408 – 414

*WYERS, M., J. C. HAMON, Y. CHEREL u. G. PLASSIART (1993):
Histology and histomorphometry of the tibial diaphyseal growth in two turkey strains during the first six weeks after hatching.
Anat. Histol. Embryol., 22, 48 – 58

*YANG, H. S., P. E. WAIBEL u. J. BRENES (1973):
Evaluation of vitamin D_3 supplements by biological assay using the turkey.
J. Nutr., 103, II, 1187 – 1194