

Orthopedic Surgery

Ascherl R *et al.* Therapy of Chronic Osteomyelitis with a compound of collagen and antibiotics- preliminary result. 1986

Lechner F *et al.* Collatamp G in the management of bone infection. Unpublished Report. 1984

Letsch R *et al.* Local antibiotic administration in osteomyelitis treatment – a comparative study with two different carrier substances. Aktuelle Traumatol. 1993; Nov: 23(7): 324-9.

Tørholm C *et al.* A multicenter comparison of the efficacy and safety of collagen with gentamicin sulfate with that of standard therapy in the treatment of osteomyelitis. Unpublished Report 1992

Von Hasselbach *et al.* Clinical aspects and pharmacokinetics of collagen-gentamicin as adjuvant therapy of osseous infections. Unfallchirurg, 1989; Sep 92(9):459-70

Feil J *et al.* The biologically absorbable collagen-gentamicin compound used as an intermedullary local antibiotic additive in cement-free total hip endoprosthesis. Unpublished Report. 1992

Hettfleisch J *et al.* Release of gentamicin from biomaterials implanted into the lumen of intramedullary load carriers – a pharmacokinetic study. Aktuelle Traumatol, 1993; Apr 23(2): 68-71.

Ascherl R *et al.* Local Infection treatment with collagen-gentamicin. Aktuelle Probl Chir Orthop, 1990; 34:85-93.

Attmanspacher W. *et al.* Medium-term results in the treatment of post-operative septic arthritis of the shoulder. Unfallchirurg Springer-Verlag, 2000; 103:1048-1056

Bremerich A *et al.* Local antibiotic therapy with Sulmycin Implant. Results of a pilot study. Zahnarztl Prax, 1988; Jul 8;39(7):256-7.

Eckstein T *et al.* First clinical experiences with a new collagen implant charged with gentamicin. Deutsch Zeitschrift fur Mund-, Kiefer- und Gesichts-Chir Year 3 1989/4.

Feil J *et al.* Bioresorbable collagen-gentamicin compound as local antibiotic therapy. Aktuelle Probl Chir Orthop, 1990; 34:94-103.

Ipsen T *et al.* Gentamicin-collagen sponge for local applications. Acta Orthop Scand, 1991; Dec 62(6) 592-4.

Jerosch J. *et al.* Septic Arthritis: Arthroscopic Management With Local Antibiotic Treatment, 1995; 61(2):126-34

Jerosch J. *et al.* Arthroscopic treatment of Septic Arthritis-Surgical Technique. Unfallchirurg, 1998; June:101(6):454-60

Lütten C *et al.* Exchange of operation with hip and knee joint endoprosthesis. Chir Praxis, 1989; 40: 287-291.

Spruit M *et al.* Revision of failed below knee amputations. Eur J Surg, 1994; May; 160(5):267-70.

Steinig HL *et al.* Collagen-gentamicin in the treatment of osteomyelitis. In: Kollagen als Wirkstoffträger-Einsatzmöglichkeiten in der Chirurgie, Hrsg. Stuttgart; NY: Schattauer, 1989; 70-74

Walz M *et al.* The use of collagen-gentamicin combination in open spongy bone plasty in chronic post-traumatic osteomyelitis. In: Aktuelle Probleme in Chirurgie und Orthopädie. 34: Infektion von Knochen und Gelenken, 2nd Ed. Verlag Hans Huber, Bern, 1990; 104-106.

Wernet E *et al.* Antibiotic-containing collagen sponge in therapy of osteitis. Unfallchirurg, 1992; May 95(5):259-64.

Wörschhauser S *et al.* Collagen-gentamicin in the treatment of osteomyelitis. In: Kollagen als Wirkstoffträger-Einsatzmöglichkeiten in der Chirurgie, Hrsg. Stuttgart; NY: Schattauer, 1989; 75-79

Abdominal and Colorectal

Arndt M *et al.* The application of resorbable antibiotic carriers in the area of sacral defects after abdominoperineal/rectal extirpation. Unpublished Report.

Wolvius R *et al.* Efficacy, release kinetics, and tolerance of a locally implanted antibiotic used in conjunction with primary wound closure for the prevention of infection after appendectomy. Unpublished Report 1992.

Gomez GGV *et al.* Effectiveness of collagen-gentamicin implant for treatment of "dirty" abdominal wounds. World J Surg, 1999; 23: 123-127.

Musella M *et al.* Collagen tampons as aminoglycoside carriers to reduce postoperative infection rate in prosthetic repair of groin hernias. Eur J Surg, 2001; Feb;167(2):130-2.

Nowaki P *et al.* Prospective, randomized trial examining the role of gentamicin-containing collagen sponge in the reduction of postoperative morbidity in rectal cancer

patients: early results and surprising outcome at 3 year follow up, *Int J Colorectal Dis*, 2005; 20:114-120.

Rahn H *et al.* A study of the efficacy and tolerability of local antibiotic prophylaxis using gentamicin-collagen implant (Sulmycin Implant) in patients undergoing abdominoperineal resection of the rectum. Unpublished Report, 1990. Unpublished Report.

Rutten H *et al.* Prevention of wound infection in elective colorectal surgery by local application of gentamicin-containing collagen sponge. *Eur J Surg Suppl*, 1997; (578):31-5.

Vogel P *et al.* Treatment of pilonidal sinus with excision and primary suture using a local, resorbable antibiotic carrier. Results of a randomized prospective study. *Chirurg*, 1992; Sep;63(9):748-53.

Stemberger A *et al.* Local treatment of bone and soft tissue infections with collagen-gentamicin sponge. *Eur J Surg Suppl*, 1997; 578:17-26.

Nielson *et al.* Contaminated fistula following J-pouch ileoanal reservoir (Case Report). *Eur J Surg*, 1991; Mar;157(3):219-20.

Schafer *et al.* Liver Resection And Diffuse Intra-Abdominal Bleeding. 1991

Rahn H *et al.* Abdominoperineal rectal extirpation. *Chir Praxis*, 1989/1990; 41: 637-643.

Kallehave *et al.* Topical antibiotics used in the treatment of complex wounds: A discussion of the use of collagen sponges impregnated with gentamicin in the treatment of six patients with complicated, infected, soft tissue wounds following gastrointestinal surgery. *Journal of Wound Care*, 1996; Vol.5 No.4.

Lampe F. *et al.* Necrosectomy with a Ultrasonic Dissector in the Treatment of Necrotizing Pancreatitis. *Acta Chir Bleg*, 2006; Vol 106, 177-180.

Kahle M. *et al.* Local infection prophylaxis with gentamicin-collagen sponge in Colostomy resection. Unpublished.

Szynglarewicz B. *et al.* Anastomosis wrapping with gentamicin-containing collagen sponge in rectal cancer patients following sphincter-preserving total mesorectal excision without defunctioning stoma. *Case Rep Clin Pract Rev*, 2006; 7:267-271.

Meyer L. *et al.* Perineal wound closure after abdominal-perineal excision of the rectum. *Tech Coloproctol*, 2004; 8:s230-s234.

Cardiothoracic Surgery

Leyh RG *et al.* Adjuvant treatment of deep sternal wound infections with collagenous gentamicin. *Ann Thorac Surg*, 1999; Nov 68(5):1648-51.

Eklund A.M. *et al.* Prophylaxis of sternal wound infection with gentamicin-collagen implant: randomized controlled study in cardiac surgery. *Journal of Hospital Infection*, 2005; 59, 108-112.

Friberg O *et al.* Antibiotic concentrations in serum and wound fluid after local gentamicin or intravenous dicloxacillin prophylaxis in cardiac surgery. *Scand J Infect Dis*, 2003; 35(4):251-4

Friberg O *et al.* Local gentamicin reduces the sternal wound infections after cardiac surgery: a randomized controlled trial. *Ann Thorac Surg*, 2005; Jan; 79(1):153-61

Friberg O *et al.* Cost effectiveness of local collagen gentamicin as prophylaxis for sternal wound infections in different risk groups. *Scandinavian Cardiovascular Journal*, 2005

Friberg O *et al.* Influence of more than six sternal fixation wires on the incidence of deep sternal wound infection. *Thorac Cardiovasc Surg*, 2006; 54:468-473

Friberg O *et al.* Incidence, Microbiological findings, and clinical presentation of sternal wound infections after cardiac surgery with and without gentamicin prophylaxis. *Am J Clin Microbiol Dis*, 2007; 26: 91-97

Cyba-Altunbay S *et al.* Perioperative prophylaxis of infection in vascular chest surgery in infected tissue. Unpublished.

Kusch E. Use of Sulmycin® Implant and Fibrin Glue to close a bronchial stump after pneumonectomy (1995)

Vascular Surgery

Hansen B *et al.* Gentacoll for treatment of infected vascular prosthesis. Unpublished Report.

Horch R *et al.* Prevention of infection in Teflon prostheses for dialysis access: experiences with a resorbable combined collagen-antibiotic system. *Vasa*, 1989; 18(1):30-4.

Jørgensen *et al.* Clinical and pharmacokinetic evaluation of gentamicin-containing collagen in groin wound infections after vascular reconstruction. *Eur J Vasc Surg*, 1991 Feb; 5(1):87-91

Belz R *et al.* Use of gentamicin-collagen fleece in vascular surgery. *Angio*, 1989; 11(4): 147-152.

Holdworth J. Treatment of infective and potentially infective complications of vascular bypass grafting using gentamicin with collagen sponge. *Ann R Coll Surg Engl*, 1999 May;81(3):166-70.

Neurosurgery

Rohde .V.M.D . Spondylodiscitis after Lumbar Discectomy: Incidence and a Proposal for Prophylaxis. *Spine*, 1998; Vol 23.No.5 pp 615-620.

Kolodziejcyk D. Epidural "Sulmycin Implant" –coverage of local infection prophylaxis in surgical treatment of penetrating head injuries. *Akt Traumatol*,1992; 22. 272-275

Zink PM *et al.* Prophylaxis of postoperative lumbar spondylodiscitis. *Neurosurg Rev*, 1989; 12(4) 297-303.

Gynecological

Szpaczek J. *et al.* Applying a local antibiotic (Garamycin Implant Schwamm specimen) in surgical treatment of purulent complications in gynecology. *Čes. Gynek*, 1998; No. 63 book 3, p 233-235.

Podiatry

Arlt B *et al.* Diabetic Foot. *Langenbecks Arch Chir*, 1997; Suppl II

Faludi S. *et al.* Experience Acquired by Applying Gentamicin-Sponge. *Acta Chirurgica Hungarica*, 1997; 36(1-4) pp 81-82

Formiga S. *et al.* Treatment of Leg Ulcers with Collagen and Gentamicin implant (Preliminary Study). MEDIMOND INC, 2000

Mixed Tissue

Stemberger A *et al.* A biological drug-carrier in soft tissue infections. *Prog Angio*, 1988; 275-277.

Beyer P *et al.* Collagen with gentamicin implant in soft tissue infections. In: *Kollagen als Wirkstoffträger-Einsatzmöglichkeiten in der Chirurgie*, Hrsg. Stuttgart; NY. Schattauer, 1989; 79-80.

Kiffner E *et al.* Local therapy of infection with absorbable antibiotic carriers. *Klinik Artz*, 1989; 1, 3-6.

Kwasny O *et al.* The use of gentamicin collagen floss in the treatment of infections in trauma surgery. *Orthopedics*, 1994; May;17(5):421-5.

Soft Tissue

Castor B. Local Antibiotic Therapy via a Fistula : Treatment of a Postoperative Abscess with Collagen and Gentamicin. *Scand J Infect*, 1999; 31:216

Schafer *et al*, Is the Primary Suture Indicated in Infected Wounds in Pediatric Surgery, *Langenbecks Arch Chir Supp II. Kongrebeacht*, 1997; 1

