

Quellenangaben

1

Pies, Dr. Josef (2012): Immun mit kolloidalem Silber. Wirkung, Anwendung, Erfahrungen. 18. Auflage 2012. VAK Verlags GmbH, Kirchzarten bei Freiburg. S. 49-55.

2

Wagner, Hans (2010): Kolloidales Silber. Der natürliche Ersatz für Antibiotika richtig angewendet. 1. Aufl. [S.I.]: Südwest Verlag.

3

Wagner, Hans (2010): Kolloidales Silber. Der natürliche Ersatz für Antibiotika richtig angewendet. 1. Aufl. [S.I.]: Südwest Verlag.

4

Boucher, W.; Stern, J. M.; Kotsinyan, V.; Kempuraj, D.; Papaliadis, D.; Cohen, M. S.; Theoharides, T. C. (2008): Intravesical nanocrystalline silver decreases experimental bladder inflammation. In: *The Journal of urology* 179 (4), S. 1598-1602. DOI: [10.1016/j.juro.2007.11.037](https://doi.org/10.1016/j.juro.2007.11.037).

5

Tutaj, Krzysztof; Szlazak, Radoslaw; Szalapata, Katarzyna; Starzyk, Joanna; Luchowski, Rafal; Grudzinski, Wojciech et al. (2016): Amphotericin B-silver hybrid nanoparticles. Synthesis, properties and antifungal activity. In: *Nanomedicine : nanotechnology, biology, and medicine* 12 (4), S. 1095-1103. DOI: [10.1016/j.nano.2015.12.378](https://doi.org/10.1016/j.nano.2015.12.378).

6

Ngo, Huy X.; Garneau-Tsodikova, Sylvie; Green, Keith D. (2016): A complex game of hide and seek. The search for new antifungals. In: *MedChemComm* 7 (7), S. 1285-1306. DOI: [10.1039/C6MD00222F](https://doi.org/10.1039/C6MD00222F).

7

Ayatollahi Mousavi, Seyyed Amin; Salari, Samira; Hadizadeh, Sanaz (2015): Evaluation of Antifungal Effect of Silver Nanoparticles Against *Microsporum canis*, *Trichophyton mentagrophytes* and *Microsporum gypseum*. In: *Iranian journal of biotechnology* 13 (4), S. 38-42. DOI: [10.15171/ijb.1302](https://doi.org/10.15171/ijb.1302).

8

Scott, John R.; Krishnan, Rohin; Rotenberg, Brian W.; Sowerby, Leigh J. (2017): The effectiveness of topical colloidal silver in recalcitrant chronic rhinosinusitis. A randomized crossover control trial. In: *Journal of otolaryngology - head & neck surgery = Le Journal d'oto-rhino-laryngologie et de chirurgie cervico-faciale* 46 (1), S. 64. DOI: [10.1186/s40463-017-0241-z](https://doi.org/10.1186/s40463-017-0241-z).

9

Choudhary, Samiksha; Burnham, Lorrie; Thompson, Jeffrey M.; Shukla, Deepak; Tiwari, Vaibhav (2013): Role of Filopodia in HSV-1 Entry into Zebrafish 3-O-Sulfotransferase-3-Expressing Cells. In: *The open virology journal* 7, S. 41-48. DOI: [10.2174/1874357901307010041](https://doi.org/10.2174/1874357901307010041).

10

Morones-Ramirez, J. Ruben; Winkler, Jonathan A.; Spina, Catherine S.; Collins, James J. (2013): Silver enhances antibiotic activity against gram-

negative bacteria. In: *Science translational medicine* 5 (190), 190ra81. DOI: [10.1126/scitranslmed.3006276](https://doi.org/10.1126/scitranslmed.3006276).

11

Doudi, Monir; Naghsh, Nooshin; Setorki, Mahbubeh (2013): Comparison of the effects of silver nanoparticles on pathogenic bacteria resistant to beta-lactam antibiotics (ESBLs) as a prokaryote model and Wistar rats as a eukaryote model. In: *Medical science monitor basic research* 19, S. 103-110. DOI: [10.12659/MSMBR.883835](https://doi.org/10.12659/MSMBR.883835).

12

Naqvi, Syed Zeeshan Haider; Kiran, Urooj; Ali, Muhammad Ishtiaq; Jamal, Asif; Hameed, Abdul; Ahmed, Safia; Ali, Naeem (2013): Combined efficacy of biologically synthesized silver nanoparticles and different antibiotics against multidrug-resistant bacteria. In: *International journal of nanomedicine* 8, S. 3187-3195. DOI: [10.2147/IJN.S49284](https://doi.org/10.2147/IJN.S49284).

13

AN EPITOME OF CURRENT MEDICAL LITERATURE (1908). In: *British Medical Journal* 2 (2480), E5-8. PMID: [PMC2436976](https://pubmed.ncbi.nlm.nih.gov/2436976/).

14

Baral, V. R.; Dewar, A. L.; Connett, G. J. (2008): Colloidal silver for lung disease in cystic fibrosis. In: *Journal of the Royal Society of Medicine* 101 (Suppl 1), S. 51-52. DOI: [10.1258/jrsm.2008.s18012](https://doi.org/10.1258/jrsm.2008.s18012).

15

Chellan, Prinessa; Sadler, Peter J. (2015): The elements of life and medicines. In: *Philosophical transactions. Series A, Mathematical, physical, and engineering sciences* 373 (2037). DOI: [10.1098/rsta.2014.0182](https://doi.org/10.1098/rsta.2014.0182).

16

Ge, Liangpeng; Li, Qingtao; Wang, Meng; Ouyang, Jun; Li, Xiaojian; Xing, Malcolm M. Q. (2014): Nanosilver particles in medical applications. Synthesis, performance, and toxicity. In: *International journal of nanomedicine* 9, S. 2399-2407. DOI: [10.2147/IJN.S55015](https://doi.org/10.2147/IJN.S55015).

17

Griffith, May; Islam, Mohammad M.; Edin, Joel; Papapavlou, Georgia; Buznyk, Oleksiy; Patra, Hirak K. (2016): The Quest for Anti-inflammatory and Anti-infective Biomaterials in Clinical Translation. In: *Frontiers in bioengineering and biotechnology* 4, S. 71. DOI: [10.3389/fbioe.2016.00071](https://doi.org/10.3389/fbioe.2016.00071).

18

Zhang, Xi-Feng; Liu, Zhi-Guo; Shen, Wei; Gurunathan, Sangiliyandi (2016): Silver Nanoparticles. Synthesis, Characterization, Properties, Applications, and Therapeutic Approaches. In: *International journal of molecular sciences* 17 (9). DOI: [10.3390/ijms17091534](https://doi.org/10.3390/ijms17091534).

19

Bhol, K. C.; Schechter, P. J. (2005): Topical nanocrystalline silver cream suppresses inflammatory cytokines and induces apoptosis of inflammatory cells in a murine model of allergic contact dermatitis. In: *The British journal of dermatology* 152 (6), S. 1235-1242. DOI: [10.1111/j.1365-2133.2005.06575.x](https://doi.org/10.1111/j.1365-2133.2005.06575.x).

20

Shin, Seung-Heon; Ye, Mi-Kyung; Kim, Hae-Sic; Kang, Hyung-Suk (2007): The effects of nano-silver on the proliferation and cytokine expression by peripheral blood mononuclear cells. In: *International immunopharmacology* 7 (13), S. 1813-1818. [DOI: 10.1016/j.intimp.2007.08.025](https://doi.org/10.1016/j.intimp.2007.08.025).

21

Sevgi, Mert; Toklu, Ani; Vecchio, Daniela; Hamblin, Michael R. (2013): Topical Antimicrobials for Burn Infections - An Update. In: *Recent patents on anti-infective drug discovery* 8 (3), S. 161-197. [PMCID: PMC4018441](https://pubmed.ncbi.nlm.nih.gov/2418441/).

22

Franco-Molina, Moises; Mendoza-Gamboa, Edgar; Sierra-Rivera, Crystel; Gomez-Flores, Ricardo; Zapata-Benavides, Pablo; Castillo-Tello, Paloma et al. (2010): Antitumor activity of colloidal silver on MCF-7 human breast cancer cells. In: *Journal of experimental & clinical cancer research : CR* 29. [DOI: 10.1186/1756-9966-29-148](https://doi.org/10.1186/1756-9966-29-148).

23

Gurunathan, Sangiliyandi; Han, Jae Woong; Eppakayala, Vasuki; Jeyaraj, Muniyandi; Kim, Jin-Hoi (2013): Cytotoxicity of biologically synthesized silver nanoparticles in MDA-MB-231 human breast cancer cells. In: *BioMed research international* 2013, S. 535796. [DOI: 10.1155/2013/535796](https://doi.org/10.1155/2013/535796).

24

Mukherjee, Sudip; Chowdhury, Debabrata; Kotcherlakota, Rajesh; Patra, Sujata; B, Vinothkumar; Bhadra, Manika Pal et al. (2014): Potential theranostics application of bio-synthesized silver nanoparticles (4-in-1 system). In: *Theranostics* 4 (3), S. 316-335. [DOI: 10.7150/thno.7819](https://doi.org/10.7150/thno.7819).

25

Gurunathan, Sangiliyandi; Raman, Jegadeesh; Abd Malek, Sri Nurestri; John, Priscilla A.; Vikineswary, Sabaratnam (2013): Green synthesis of silver nanoparticles using *Ganoderma neo-japonicum* Imazeki. A potential cytotoxic agent against breast cancer cells. In: *International journal of nanomedicine* 8, S. 4399-4413. [DOI: 10.2147/IJN.S51881](https://doi.org/10.2147/IJN.S51881).

26

Qiao, Yue; Ma, Fei; Liu, Chao; Zhou, Bo; Wei, Qiaolin; Li, Wanlin et al. (2018): Near-Infrared Laser-Excited Nanoparticles To Eradicate Multidrug-Resistant Bacteria and Promote Wound Healing. In: *ACS applied materials & interfaces* 10 (1), S. 193-206. [DOI: 10.1021/acsami.7b15251](https://doi.org/10.1021/acsami.7b15251).

27

Chai, Shi-Hong; Wang, Yating; Qiao, Yinghong; Wang, Pei; Li, Qiang; Xia, Chaofeng; Ju, Man (2018): Bio fabrication of silver nanoparticles as an effective wound healing agent in the wound care after anorectal surgery. In: *Journal of photochemistry and photobiology. B, Biology* 178, S. 457-462. [DOI: 10.1016/j.jphotobiol.2017.10.024](https://doi.org/10.1016/j.jphotobiol.2017.10.024).

28

Kim, Min Hee; Park, Hanna; Nam, Hyung Chan; Park, Se Ra; Jung, Ju-Young; Park, Won Ho (2018): Injectable methylcellulose hydrogel containing silver

oxide nanoparticles for burn wound healing. In: *Carbohydrate polymers* 181, S. 579-586. [DOI: 10.1016/j.carbpol.2017.11.109](https://doi.org/10.1016/j.carbpol.2017.11.109).

29

Moeller, Keith: American Biotech Lab's. Nano-Silver Proven Safe For Humans. Verfügbar als [PDF-Datei](#).

30

Samberg, Meghan E.; Oldenburg, Steven J.; Monteiro-Riviere, Nancy A. (2010): Evaluation of silver nanoparticle toxicity in skin in vivo and keratinocytes in vitro. In: *Environmental health perspectives* 118 (3), S. 407-413. [DOI: 10.1289/ehp.0901398](https://doi.org/10.1289/ehp.0901398).

31

Arora, S.; Jain, J.; Rajwade, J. M.; Paknikar, K. M. (2008): Cellular responses induced by silver nanoparticles. In vitro studies. In: *Toxicology letters* 179 (2), S. 93-100. [DOI: 10.1016/j.toxlet.2008.04.009](https://doi.org/10.1016/j.toxlet.2008.04.009).

32

Thompson, Ruth; Elliott, Vanessa; Mondry, Adrian (2009): Argyria. Permanent skin discoloration following protracted colloid silver ingestion. In: *BMJ case reports* 2009. [DOI: 10.1136/bcr.08.2008.0606](https://doi.org/10.1136/bcr.08.2008.0606).

33

Lencastre, André; Lobo, Maria; João, Alexandre (2013): Argyria - case report. In: *Anais brasileiros de dermatologia* 88 (3), S. 413-416. [DOI: 10.1590/abd1806-4841.20131864](https://doi.org/10.1590/abd1806-4841.20131864).

34

Jung, Inha; Joo, Eun-Jeong; Suh, Byung Seong; Ham, Cheol-Bae; Han, Ji-Min; Kim, You-Gyung et al. (2017): A case of generalized argyria presenting with muscle weakness. In: *Annals of occupational and environmental medicine* 29, S. 45. [DOI: 10.1186/s40557-017-0201-0](https://doi.org/10.1186/s40557-017-0201-0).

35

Molina-Hernandez, Alma Ileana; Diaz-Gonzalez, Jose Manuel; Saeb-Lima, Marcela; Dominguez-Cherit, Judith (2015): Argyria after Silver Nitrate Intake. Case Report and Brief Review of Literature. In: *Indian journal of dermatology* 60 (5), S. 520. [DOI: 10.4103/0019-5154.164427](https://doi.org/10.4103/0019-5154.164427).

36

Wadhwa, Akhil; Fung, Max (2005): Systemic argyria associated with ingestion of colloidal silver. In: *Dermatology online journal* 11 (1), S. 12. [PMID: 15748553](https://pubmed.ncbi.nlm.nih.gov/15748553/).

37

Pala, Gianni; Fronterre, Aldo; Scafa, Fabrizio; Scelsi, Mario; Ceccuzzi, Roberto et al. (2008): Ocular Argyrosis in a Silver Craftsman. In: *Journal of Occupational Health* 50 (6), S. 521-524. [DOI: 10.1539/joh.N8001](https://doi.org/10.1539/joh.N8001).

38

Lansdown, Alan B. G. (2006): Silver in health care. Antimicrobial effects and safety in use. In: *Current problems in dermatology* 33, S. 17-34. [DOI: 10.1159/000093928](https://doi.org/10.1159/000093928).

39

Intitut Katharos: Citations scientifiques argent colloïdal. Verfügbar auf der Seite des Instituts Katharos.

40

Barwick, Steve: Pets and Colloidal Silver.

41

Kühni, Werner (2012): Heilen mit dem Zeolith-Mineral Klinoptilolith. Ein praktischer Ratgeber. Aarau: AT Verlag AZ Fachverlage. Leseprobe vom Narayana Verlag, Kandern. S. 61-62.

42

Mihálik, Peter (1950): METHODS OF IMPREGNATING NEUROFIBRILLAR SUBSTANCE ON SLIDES AFTER IMBEDDING. In: Journal of Neurology, Neurosurgery, and Psychiatry 13 (2), S. 146-152. [PMCID: PMC497146](#).

43

Munger, Mark A.; Radwanski, Przemyslaw; Hadlock, Greg C.; Stoddard, Greg; Shaaban, Akram; Falconer, Jonathan et al. (2014): In vivo human time-exposure study of orally dosed commercial silver nanoparticles.

In: *Nanomedicine: nanotechnology, biology, and medicine* 10 (1), S. 1-9. [DOI: 10.1016/j.nano.2013.06.010](#).