
Microbicides For The Protection Of Materials A Handbook

microbicides for hiv prevention - avac - for rectal protection, products are in development that look and feel like the douches and lubricants that people often use before or during anal sex—but they also contain anti-hiv drugs to provide protection. why do we need microbicides? microbicides are designed to affect only the part of the body that needs protection during sex. daily ... **microbicides:new potential for protection - k4health** - microbicides under development also function as spermicides to provide contraceptive protection. eventually, microbicides are likely to be available as gels, creams, films, suppositories, or vaginal rings. key points • scientists currently are studying over 60 substances as possible microbicides. **microbicides for the protection of materials a handbook** - this book is chiefly intended for those who are using microbicides for the protection of materials. another purpose is to inform teachers and students working on biodeterioration and to show today's technical standard to those engaged in r&d activities in the microbicide field. **directory of microbicides for the protection of materials** - and mechanisms of action of the microbicides belonging to the corresponding substance class. these explanations elucidate that the new book is not a simple revised new edition (second) of the handbook 'microbicides for the protection of materials' which appeared 1993. 'part two - microbicide data' of the new **rectal microbicides that protect against hiv infection** - the rectal safety of candidate vaginal microbicides would become an important consideration in their clinical development. to develop effective rectal microbicides, the unique challenges of conferring rectal protection need to be characterized and understood. information gained by developing an **microbicides for hiv prevention - unaids** - microbicides for hiv prevention: unaids technical update april 1998 background in the absence of a cure for hiv infection, no potentially useful avenue for hiv prevention should be ignored. microbicides are products intended for vaginal or rectal administration that can decrease the transmission of hiv and other micro-organisms causing stds. **microbicides and other prevention technologies - world bank** - microbicides and other prevention technologies gita ramjee hiv prevention research unit durban, south africa ... lack of markers of protection adherence to product use trial conduct: pregnancy, retention, hiv ... **microbicides - 60% effective product could avert 2.5 microbicides for the prevention of hiv infection** - 30 microbicides reviews microbicides for the prevention of hiv infection salim s abdoool karim, mbchb, phd centre for the aids program of research in south africa, nelson r mandela school of medicine, university of kwazulu-natal, department of epidemiology, columbia university, and department of medicine, cornell university e mail: karims1@ukzn ... **microbicide overview - ipmglobal** - early microbicides: the earliest microbicides were not based on arvs and showed no protection against hiv in several studies that took place 1994-2009. tenofovir gel: in 2010, a vaginal gel containing the arv tenofovir was shown to reduce women's hiv risk by 39 percent when used before and after sex, providing proof-of-concept for microbicides. **pharmaceutical vehicles for vaginal and rectal ...** - from microbicides, although reciprocal protection would also be desirable [3]. the field has come a long way but only mild success has been achieved. the most advanced microbicide in the development pipeline is the dapivirine (dpv) vaginal ring, which was shown to reduce hiv-1 acquisition in women **evaluating the potential impact of vaginal microbicides to ...** - options are condoms or no protection, whereas post-vmi, protection options would consist of condoms only, vaginal microbicides only, using vaginal microbicides with condoms, or no protection. it has been postulated [2,14] that the introduction of microbicides may lead to a reduction in condom use, where partners replace condoms with microbicides. **and hiv microbicides for hiv prevention - imgebody** - occurs and whether protection is used. microbicides could change this picture with just a simple cream, foam, or gel that can be inserted vaginally to protect women when condom use isn't possible. five candidate micro-bicides are now in large-scale efficacy trials and dozens more are in the preclinical and clinical trial pipeline. **the microbicide development strategy** - microbicides are a new category of health products, formulated for topical use to prevent the sexual transmission of hiv and other pathogens. the microbicide development strategy proposes specific actions to accelerate the development and distribution of safe, effective, acceptable, **shifts in condom use following microbicide introduction ...** - risk associated with condom migration is counter-balanced by the protection afforded with microbicides. data from benin is used as a case-example. results: considering a 50% hiv- and std-efficacious microbicide, groups that use condoms with 25% consistency or less could cease using condoms without increasing a **microbicide ring to protect against hiv - gov** - around the time of sex. microbicides would address a critical gap in current prevention strategies by offering female-initiated protection from hiv. since our launch in 2002, the international partnership for microbicides (ipm) has focused on developing antiretroviral (arv)-based microbicides that contain the same types of arv drugs already used **regulatory issues in microbicide development - apps.who** - regulatory review of microbicides in the southern african development community (sadc) region 34 5. regional meeting on regulatory issues for microbicides in asia 35 ... and drug administration (usfda) is the protection of usa citizens, the agency's perspectives, and to a lesser extent those of the european medicines agency (emea), are ... **what you need to know microbicides: prevention of hiv/aids ...** - scientists do not know exactly how effective microbicides will be. in order to be approved by drug regulators and accepted by policy makers, it is likely that microbicides would have to reduce risk of hiv by at least 40-50 percent. although condoms provide the best form of protection for people who are

sexually active, using a **a microbicide ring to protect against hiv - gov** - month at a time to provide sustained protection against hiv. given the ring's promise as a microbicide, the us national institutes of health-funded microbicide trials network (mtn) has partnered with ipm to advance this important product in late-stage clinical trials. ipm and mtn will launch **microbicides and hiv: help or hindrance?** - microbicides and hiv: help or hindrance? eran karmon, malcolm potts, and wayne m. getz abstract: we present a simple mathematical model for assessing ... protection due to microbicides and also how microbicides of different efficacies could be expected to affect the future course of an hiv epidemic. **rethinking the ethical roadmap for clinical testing of ...** - no. when used consistently and correctly, male or female condoms are likely to provide better protection against hiv and stds than microbicides. but for those who cannot or will not use condoms-and in particu-lar, for women whose partners refuse to use condoms-microbicides will save lives and could have a substan-tial impact on the hiv epidemic. **microbicides: topical prevention against hiv - microbicides: topical prevention against hiv** robin j. shattock1 and zeda rosenberg2 1centre for infection and immunity, division of clinical sciences, st george's, university of london, london sw17 Ore, united kingdom 2international partnership for microbicides, silver spring, maryland 20910 correspondence: shattock@sgul

microbicides represent a potential intervention strategy for ... advocacy brief: gender considerations for microbicide ... - regular use. educating men about microbicides can alleviate their concerns and help to normalize the product. encouraging men to communicate with their partners about hiv protection and sexuality, and sex more broadly, can contribute to better relationship dynamics and encourage more gender-equitable attitudes and behaviors. **preparing for microbicide introduction - engenderhealth - microbicides to clients or support their introduction.** given that the first microbicides will not provide complete protection, both national and provincial level policy makers pointed out that clients must be fully aware of the implications of partial effectiveness. they emphasized a desire to have access to **a crucial role for plasmacytoid dendritic cells in ...** - a crucial role for plasmacytoid dendritic cells in antiviral protection by cpq odn-based vaginal microbicide hong shen and akiko iwasaki section of immunobiology, yale university school of medicine, new haven, connecticut, usa. topical microbicides represent a promising new approach to preventing hiv and other sexually transmitted infections. **nih public access microbicides, and other biomedical hiv ...** - microbicides, that when applied to the vaginal or rectal mucosa protects against hiv transmission [11]. some microbicides have attempted to provide a barrier that keeps hiv from reaching target cells; whereas other products have attempted to maintain the natural protection **microbicide research & development: what's in the pipeline?** - microbicide research & development: what's in the pipeline? how does a microbicide work? this question has several possible answers depending on which microbicide you are talking about. the term "microbicides" really refers to a broad range of products designed to prevent infection by hiv and other **use of acceptability research for development and ...** - microbicides: benefits and challenges potential benefits of microbicides: women-controlled preventative option could allow conception and protection simultaneously combat multiple stds at once more discrete? bi-directional protection additional lubrication benefits? challenges to success with microbicides clinical study and care (soc dictates condom as well as microbicide **biomedical prevention of hiv in women: microbicides and prep** - biomedical prevention of hiv in women: microbicides and prep sharon l. hillier, ph.d. professor department of obstetrics, gynecology and reproductive sciences, university of pittsburgh pittsburgh, pa magee-womens research institute estimated number of adults and children newly infected with hiv during 2007 . the evolving epidemic: africa **microbicides prevention through partnership** - microbicides ipm is developing is that they can be formulated in longer-acting gels, vaginal rings, vaginal tablets and other means that can be used once a day, or even less frequently, and independent of sex. this would provide protection against hiv infection even during unanticipated sex. any effective compound must be transformed into **microbicides: community mobilization kit - cdnaids** - th e fi rst microbicides are only likely to be 40-60% protective against hiv; as the products evolve, this protection could increase to between 60-80% in second generation products. although this makes microbicides less eff ective than condoms, it still off ers far more protection than is currently available if condom use is not possible. **arvs for prevention in at-risk populations: microbicides** - arvs for prevention in at-risk populations: microbicides treatment as prevention in africa meeting botswana, april 30 - may 3, 2014 ... (prep / microbicides) safe but not effective increased hiv infection stopped for futility ... protection against hiv ! protection against other stis eg. bv, hsv-2 . hiv prevalence among msm **evaluating the safety of vaginal microbicides** - global campaign for microbicides · march 2007 page 1 evaluating the safety of vaginal microbicides: the fundamentals scientists are developing vaginal microbicides as an important new female-initiated hiv prevention tool. before they can be licensed, candidate microbicides must go through a series of tests to evaluate their safety. **preventing disease by protecting the cervix: the ...** - std that may be provided by microbicides alone. in addition, applying the microbicide to the vaginal side of the barrier may confer vaginal protection as well. currently the traditional diaphragm and cervical cap are the only tested and approved internal devices that provide physical protection of the cervix. however, **beyond hiv microbicides: multipurpose prevention ...** - 11 . summary 12 multi-purpose prevention technologies (mpts) that aim to simultaneously prevent 13 unintended pregnancy, human immunodeficiency virus type 1 (hiv-1) infection and 14 other sexually transmitted infections (stis) are among the most innovative and

complex 15 products currently in development within women's sexual and reproductive healthcare.

international partnership for microbicides - we are grady - self-protection and personal autonomy ... partnering with the international partnership for microbicides to help accelerate their work by guaranteeing proper care and treatment for all the participants in the test trials - bill clinton. we are so close (to a microbicide) at this point **the paradoxical effects of using antiretroviral-based ...** - microbicides, condoms plus microbicides, or no protection (22). each of the four options provides a different level of protection against infection; see si text for how these protection options are modeled. the model allows participants in the placebo arm to only use one of two protection options: condoms or no protection.

campaign to accelerate microbicide development for std ... - the case for microbicides scientists and women's health advocates have long argued that given the growing prevalence of hiv and other stds in the united states and around the world, new—and, especially, female-controlled—means of protection are desperately needed. each year, an estimated 15 million people acquire a new std in the **rectal microbicides: investments & advocacy** - technologies such as rectal microbicides that will allow us another way to care for each other and keep each other healthy. —eric rofes, professor, author, and advocate for men's health women's need for protection against sexually transmitted pathogens, like the need for contraception, varies greatly from one individual to **author's personal copy - the impt** - author's personal copy k.j. whaley et al. / antiviral research 88s (2010) s55 s66 s57 table 1 activity and mechanism for microbicides in development (adapted from zeitlin et al., 2009). **biomedical hiv prevention & hiv microbicides research 2013** - biomedical hiv prevention & hiv microbicides research 2013 community education team ... • microbicides for vaginal and rectal use are being ... the first evidence of moderate hiv protection and the possibility of an effective microbicide . questions in microbicides **dcruz-vol5no1 3/7/05 7:06 pm page 26 emmelle (dextrin-2 ...** - antiviral microbicides to prevent the sexual hiv-1 transmission.3,4 microbicides could provide protection by directly inactivating hiv or prevent-ing hiv from attaching,entering or replicating in susceptible target cells,as well as dissemination from target cells present in semen or the host cells that line the vaginal or rectal wall.a safe **hiv prevention - fhi 360** - women's access to and use of microbicides designed to inform policy makers and hiv prevention decision makers. the summary describes the need to increase women's hiv prevention options by introducing microbicides, if they are proven effective, and discusses some of the gender issues a microbicide introduction would need to address. **vaginal microbicide gel may offer a promising strategy for ...** - protection against hiv transmission 6 december 2012 a new study shows that a microbicide gel is highly effective in block infection by the aids virus in a non-human primate model. in the paper ... **vivagel (spl7013 gel): a candidate dendrimer - microbicide ...** - been on preventing hiv, protection from other stis is desirable in terms of avoiding illness and associated sequelae. importantly, many stis may increase vulnerability to hiv infection (eg, genital herpes infection facilitates the transmission of hiv). microbicides, like vaccines, will be used by healthy individuals to protect against infections. **the al an gut tm acher institute** - yet a number of questions about microbicides remain unanswered. will they prevent only hiv or other stds as well? will they provide effective protection against both stds and pregnancy? how long after application will a microbicidal product be effective? what mode of dispensing them will be most effective and most acceptable to women?

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