在工作分裂 一种工作之外

WS-3-3 血小板濃厚液の輸血後に、急性呼吸不全と Bacillus cereus (B.cereus) による髄膜炎を併発した症例

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【緒言】輪血後細菌感染症は,診断・治療に難渋し,時に致命的な状態になることもある.我々は、B.cereus の輪血後感染症で急性呼吸不全および重症髄膜炎を併発した症例を経験し、その治療および診断経過が今 後の対策につき有用と考えられここに報告する。【症例】76 歳女性,64 歳に再生不良性貧血と診断,免疫 抑制療法に不応で,71 歳よりは赤血球および血小板輪血が定期的に必要となった.平成 19 年 4 月,血小 板輪血を施行中, 発熱・悪寒, その後急速な呼吸不全を認め, 胸部 X 線・心エコー検査より, 輪血関連肺 障害 (TRALI) と判断した,メチルプレドニゾロン 500mg 投与で呼吸状態は改善し発熱も消退した,し かし発症 12 時間後,嘔気・頭痛の出現と共に再び発熱を認めた.感染症を考え直ちに抗生剤(ビアベネ ム)を開始したが悪化し、発症16時間後には右方への眼球偏位と意識障害(昏睡)が出現した、髄液検 査にて細胞数・蛋白の増加を認め、脳波でも異常波を認めたことから、細菌性髄膜炎および症候性てんか んと診断した。その後、抗生剤(パンコマイシンも併用)および抗てんかん薬が奏効し、発症第 13 日に は意識清明となり、発症第25日には後遺障害なく退院できた、輸血関連感染の診断目的に当院で各種培 養検査を施行したところ。血小板残液の鏡検・培養検査で B.cereus が検出された。髄液では、初回抗生剤 投与後に採取した影響もあり鏡検・培養検査は陰性であったが、遺伝子検査 PCR 法にて、血小板製剤と ー菌株の B.cereus が検出され、今症例が輪血後感染症から髄膜炎に進展したと考えられた.一方で、凍 結処理された供血者保存血漿では、培養検査・遺伝子検査共に陰性であった. 【考察】TRALI 様の急性呼 吸不全を呈した際は、輸血後感染症も視野に入れた対応が必要である.髄膜炎併発例の報告はこれまでに 無いが、輸血後感染症治療では髄液移行性も考慮した抗生剤選択が求められる.培養検査だけでなく,遺 伝子検査まで施行することが、診断及び同一菌株の証明に重要である

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#### 医薬品 研究報告 調査報告書

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More Health news

### Syphilis cases up sharply in county

STD prevention, education efforts to be heightened

By Cheryl Clark UNION-TRIBUNE STAFF WRITER

March 26, 2008

Alarmed by San Diego County's more than 1,100 percent rise in syphilis cases between 2000 and last year, state health officials are using five investigators to help the region stem the spread.

"San Diego's increase is a cause for concern because we're just not understanding why it's being transmitted in the frequency that we're seeing," said Dr. Douglas Hatch, chief of California's division of communicable disease control.

The search for causes and solutions includes debate about whether safe-sex education needs to be explicit and targeted at men who have sex with men. That group accounts for most of the syphilis infections in the county and nationwide.

San Diego County's annual syphilis caseload skyrocketed from 28 in 2000 — when the infection total hit a low — to 340 last year. It is a much sharper rise than in the state's other large urban counties, including San Francisco, Los Angeles, Orange and Alameda. It's also more than double the statewide percentage of increase and triple that of the nation.

The team that the state dispatched to San Diego County consists of three investigators who recently started aiding county officials and two who were already working with them but have increased their level of assistance. They are contacting people who were diagnosed with syphilis, finding their sexual partners and urging those people to get tested so they can receive treatment and not transmit the bacteria.

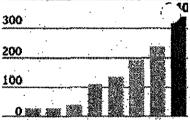
Federal officials are also concerned by the spread of syphilis and other sexually transmitted diseases. Last week, the U.S. Centers for Disease Control and Prevention said the national syphilis case count had increased for the seventh consecutive year.

The agency wants to change federal funding formulas so states and counties can obtain more money for STD education and prevention efforts.

The United States' STD numbers aren't huge when compared to those for AIDS, cancer or heart disease.

# REPORTED SYPHILIS INFECTIONS COUNTYWIDE

400 infections



100 101 102 103 104 105 106 107

SOURCE: California Dept. of Public Health

MATT PERRY / Union-Tribunk

# REPORTED SYPHILIS INFECTIONS BY COUNTY

Sampling of counties with large populations 2000 2007 Change County San Diego 28 11 6 Los Angeles 444% 152 827 404% Orange 141 San Francisco 54 202 274% Alameda 179% Statewide 330 2,002 507%

SOURCE: California Dept. of Public Health

MATT PERRY / Union-Triburk

But officials at the federal, state and local levels all have identified the growth of STDs as an important public health issue Public agencies and nonprofit groups spend hundreds of millions of dollars each year on STD prevention and testing.

Nationwide, an increasingly large portion of people infected with syphilis are HIV-positive men who have unprotected se with other HIV-positive men.

The trend is reflected in San Diego County. Last year, 84 percent of the people diagnosed with syphilis in San Diego County were men who had sex with men, and a big segment of them were HIV-positive, state health officials said.

Medical experts said the region's proximity to the border and its substantial tourist trade also could be contributing to http://signonsandiego.printthis.clickability.com/pt/cpt?action=cpt&title=SignOnSanDiego.com+%3E... 2008/05/1

insafe sex, which leads to higher numbers of syphilis cases and other STDs.

Syphilis likely has spread in San Diego County because at-risk men aren't telling health care providers about their sexual behavior and don't get tested, said Terry Cunningham, chief of the county's HIV, STD and Hepatitis branch.

He also blames health care providers who don't consistently address the issue with their patients.

The CDC is asking physicians to be more diligent in encouraging male patients who have sex with men to undergo routine screenings for syphilis, perhaps once a year.

Public health officials and various nonprofits diverge on a major point - how best to emphasize STD prevention. They ask:

•How explicit must the anti-STD message be to draw enough attention?

•Will public-service ads that are candid about sexual practices turn off or offend some people?

"Should awareness campaigns aggressively focus on men who have sex with men, perhaps by using images of male couples?

San Diego County's approach is to address all individuals who face exposure to sexually transmitted diseases, said Holly Cr( ord, a spokeswoman for the county's Health and Human Services Agency.

"Targeting only specific populations . . . could lead to a false sense of security among the general population," she said. "STDs do not recognize gender, age, sexual orientation or location."

Greg Cox, chairman of the county Board of Supervisors, said the county is "addressing the issue of sexually transmitted diseases among all at-risk populations through bilingual education campaigns, alerts to doctors and STD education and testing at county clinics.

"I'm concerned about any disease or illness that affects the people of our region . . . but I am optimistic that our efforts wil succeed in bringing down the disturbing case numbers."

The county has allocated more than \$1.5 million in state funds for this fiscal year to five nonprofit groups that work on STD prevention. They are the Family Health Centers of San Diego; San Diego Lesbian, Gay, Bisexual Transgender Community Center; San Diego Youth and Community Center; San Ysidro Health Center; and Vista Community Clinic.

The Vista clinic does outreach in neighborhoods where people who engage in high-risk sexual activities congregate, said director Barbara Mannino. The four other groups declined to discuss how they're using their grants.

The county also tries to reach high-risk populations in central San Diego by placing safe-sex ads in bus shelters and gay-themed publications.

Despite those efforts, some who work on STD prevention said more must be done to connect with specific risk groups.

"San Diego County's message is, 'We're all at risk.' That's true, but some people are much more at risk than others. What are they doing to target gay men and their sexual practices in bathhouses, for example?" said Oscar de la O, a founding member and president of Bienestar.

The nonprofit group tries to educate high-risk individuals in Southern California about syphilis and other STDs.

Bienestar outreach worker Abigail Madariaga is atransgendered woman, which means she was born a man but identifies and lives as a woman. On a recent evening, she and fellow STD educator Antonio Munoz talked to people watching a drag queen performance at Urban Mo's bar and nightclub in Hillcrest.

Madariaga said her orientation allows her to spread the safe-sex message more effectively to many of the estimated 1,500 other transgendered people in the region, as well as to gays, lesbians and bisexuals watching the drag show.

In San Francisco, public health workers spend time in Internet chat rooms, where gay men often make their connections. They began doing so after discovering how syphilis was spreading in many cases, said Dr. Jeffrey Klausner, director of STD prevention for the San Francisco Department of Public Health.

\*\*\*\* //signonsandiego.printthis.clickability.com/pt/cpt?action=cpt&title=SignOnSanDiego.com+%3E... 2008/05/

San Francisco has established medical clinics friendly to the gay community. Its health officials also conduct public awareness campaigns that show sex "as a positive, normal and healthy activity, rather than use fear and avoidance as a motivator," Klausner said.

One of those initiatives was the "Healthy Penis" program, which featured outreach workers dressed in costumes resembling penises and syphilis sores. That got people's attention, Klausner recalled.

The city has seen a drop in syphilis cases - from 348 cases in 2004 to 202 last year.

Klausner blamed the spread of syphilis elsewhere on reduced funding for anti-STD efforts and said health leaders in each community need to target their messages to those most at risk. "Increasing rates of STDs are what you can expect when there are no resources," he said.

San Diego County's share of state money for STD education and prevention this fiscal year is down \$280,000 from last year.

Beyond money, many safe-sex campaigns are thwarted by politicians' fear of candor, said Michael Weinstein, president of the AIDS Healthcare Foundation in Los Angeles.

"They must make it obvious they are talking about sex," he said. "The sooner we stop treating this as a dirty little secret, the better off we'll be."

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## 感染症定期報告の報告状況(2008/6/1~2008/8/31)

血対ID	受理日	報告者名	一般名	生物由来成分名	原材料名	原産国	含有 区分	文献	症例	適正 使用
80101	2008/06/06	ベネシス	ポリエチレングリコール処理抗破傷風人 免疫グロブリン 乾燥抗破傷風人免疫グロブリン	破傷風抗毒素	人血液	米国	有効成分	有	無	無
80102	2008/06/10	バイエル 薬品	pH4 処理酸性人免疫グロブリン	人免疫グロブリンG	ヒト血液	米国	有効 成分	有	無	無
80103	2008/06/17	日本赤十字社	人赤血球濃厚液	人赤血球濃厚液	人血液	日本	有効 成分	有	有	無
80104	2008/06/17	日本赤 十字社	人全血液	人全血液	人血液	日本	有効 成分	有	無	無
80105	2008/06/17	日本赤	抗HBs人免疫グロブリン	抗HBs人免疫グロブリン	人血液	日本	有効 成分	有	無	無
80106	2008/06/17		<b>洗净火赤血球浮遊液</b>	洗浄人赤血球浮遊液	人血液	日本	有效 成分	有	有	無.
80107	2008/06/24	化学及 血清療 法研究 所	乾燥スルホ化人免疫グロブリン	スルホ化人免疫グロブリン G	ヒト血液	①米国、 ②日本	有効 成分	有	無	無
80108	2008/06/27	バクス ター	乾燥イオン交換樹脂処理人免疫グロブリ ン	人免疫グロブリンG	人血漿	米国	有効 成分	無	無	無
80109	2008/06/27	バクス ター	乾燥イオン交換樹脂処理人免疫グロブリ ン	人血清アルブミン	人血漿	米国	添加物	無	無	無
80110	2008/07/03	ベネシス	人ハプトグロビン	人ハプトグロビン	人血液	日本	有効 成分	有	無	無
80111	2008/07/15	化学及 血清療 法研究 所	乾燥濃縮人血液凝固第咖因子	血液凝固第111因子	ヒト血液	日本	有効 成分	有	無	無
80112	2008/07/16	富士フィ ルムRI ファーマ	テクネチウム大凝集人血清アルブミン (99mTc)	テクネチウム大凝集人血 清アルブミン(99mTc)	上卜血液	米国	有効 成分	有	無	無
80113	2008/07/24	CSLベー リング	乾燥濃縮人アンチトロンビシロ	乾燥濃縮人アンチトロンビ ン皿	EF血液	イツきる。	有效 成分	有	有	<b>無</b>
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80114	2008/07/25		エブタコグ アルファ(活性型)(遺伝子組 換え)	ウシ新生仔血清	ウシ血 液	ニュー ジーラン ド	製造工程	無	無	無
80115	2008/07/25		エプタコグ アルファ(活性型)(遺伝子組 換え)	ウシ胎仔血清	ウシ血 液		製造工程	無	無	無
80116	2008/07/25	ノボノル ディスク ファーマ	エプタコグ アルファ(活性型)(遺伝子組 換え)	ブタ膵臓由来トリプシン	ブタ膵 臓(抽出 物)	不明	製造 工程	無	無	無
80117	2008/07/25		エブタコグ アルファ(活性型)(遺伝子組換え)	エプタコゲ アルファ(活性型)(遺伝子組換え)	エプタコ グ アル ファ(活 性型) (遺伝子 組換え)	該当しな い	有効 成分	無	無	無
80118	2008/07/28	日本製薬	乾燥人血液凝固第区因子複合体	血液凝固第区因子複合体	l	日本	有効 成分	有	無	無
80119	2008/07/29	フィジッ	ルブミンジエチレントリアミン五酢酸テク	ガラクトシル人血清アルブ ミンジエチレントリアミン五 酢酸テクネチウム(99 mTc)		日本	有効成分	無	無	無
80120	2008/07/29	日本赤 十字社		合成血	人血液	日本	有効 成分	有	無	無
80121	2008/07/31:		ルリオクトコグ アルファ(遺伝子組換え)	培養補助剤(抗第2個因子) モノクローナル抗体製造用 ニ1)		米国	製造 工程	無	有	<b>#</b>
80122	2008/07/31	バクス ター	ルリオクトコグ・アルファ(遺伝子組換え)	ウシ血清アルブミジ	ウシ血 液	米国	製造工程	無	有	無