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17 UNITED STATES DISTRICT COURT  
18 NORTHERN DISTRICT OF CALIFORNIA  
19 SAN FRANCISCO DIVISION

20 UNITED STATES *ex rel.* STROM, ) No. C 05-3004 CRB

21 Plaintiffs, )

22 v. )

23 SCIOS, INC. and )  
24 JOHNSON & JOHNSON, )

25 Defendants. )

**UNITED STATES' COMPLAINT**

**JURY TRIAL DEMANDED**

26  
27

1           1. The United States brings this action to recover losses from false claims submitted  
2 to federal health care programs as a result of the sustained fraudulent course of conduct of  
3 Defendants, Scios, Inc. (“Scios”) and Johnson & Johnson (“J&J”). Scios and J&J illegally  
4 marketed and promoted the cardiac drug Natrecor for serial, scheduled outpatient infusions — a  
5 use not approved by the Food and Drug Administration (“FDA”) and not covered by the federal  
6 health care programs — causing false claims to be submitted.

## 6 **I. NATURE OF ACTION**

7           2. The United States brings this action to recover treble damages and civil penalties  
8 under the False Claims Act (“FCA”), as amended, 31 U.S.C. §§ 3729-33 (2008), and to recover  
9 damages and other monetary relief under the common law or equitable theory of unjust  
10 enrichment.

11           3. The United States bases its claims on Defendants causing the submission of false  
12 or fraudulent claims to federal health care programs in violation of 31 U.S.C. § 3729(a)(1)  
13 (2008).

14           4. Within the time frames detailed below, Scios and J&J engaged in a fraudulent  
15 scheme to market and promote Natrecor for serial, scheduled outpatient infusions — a use not  
16 approved by the FDA. Such an unapproved use is also known as an “off-label” use because it is  
17 not included in the drug’s FDA-approved product label. Scios’s marketing strategy for Natrecor  
18 included generating an outpatient market for the drug by marketing it for serial, scheduled  
19 infusions. Scios’s extensive outpatient marketing campaign was clearly directed at an off-label  
20 use of Natrecor.

21           5. Generally, no payments may be made under Medicare for expenses incurred for  
22 items and services, including drugs, that are not “reasonable and necessary” for the diagnosis and  
23 treatment of an illness. Medicare does not cover off-label uses unless determined to be  
24 “medically accepted.” The scheduled, serial outpatient infusions were neither reasonable and  
25 necessary nor medically accepted. Indeed, the off-label use was unsupported by *any* credible  
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1 study showing that the serial outpatient infusions had any benefit for patients. In June 2005, a  
2 blue-ribbon panel headed by a top cardiologist chosen by Scios found that “because sufficient  
3 evidence is not currently available to demonstrate benefit” Natrecor “should not be used “[f]or  
4 intermittent outpatient infusion” or “[f]or scheduled repetitive use.” Through its pervasive off-  
5 label marketing scheme, Scios falsely and fraudulently caused the federal health care programs –  
6 in particular, Medicare – to pay substantial amounts for this off-label use of Natrecor.

## 7 **II. JURISDICTION AND VENUE**

8 6. This Court has jurisdiction over the subject matter of this action pursuant to 28  
9 U.S.C. §§ 1331 and 1345.

10 7. This Court may exercise personal jurisdiction over Scios and J&J pursuant to 31  
11 U.S.C. § 3732(a), because Scios is located in the Northern District of California, and because  
12 Scios and J&J transact business in the Northern District of California. In particular, J&J  
13 conducts business throughout California, including in the Northern District of California, and  
14 also conducts business in this District and elsewhere in California through its wholly owned  
15 subsidiary, Scios. Additionally, both before and after it acquired Scios, J&J officers and  
16 employees came to the Northern District of California on a regular basis to meet with, oversee,  
17 and direct Scios’s activities as more fully described below.

18 8. Venue is proper in the Northern District of California under 31 U.S.C. § 3732 and  
19 28 U.S.C. § 1391(b) and (c) because Scios and J&J have transacted business in this District and  
20 have committed acts proscribed by 31 U.S.C. § 3729 in this District.

## 21 **III. PARTIES**

22 9. The United States brings this action on behalf of the Department of Health and  
23 Human Services (“HHS”), the Centers for Medicare & Medicaid Services (“CMS”) (formerly  
24 known as the Health Care Financing Administration), which administers the Medicare program;  
25 the Department of Defense’s TRICARE Management Activity (“TRICARE”); and the Office of  
26 Personnel Management, which administers the Federal Employees Health Benefits Program

(“FEHBP”) (collectively, “federal health care programs”).

1           10. Relator Joe Strom is a resident of Utah and was formerly employed by Scios as  
2 an Area Manager from approximately October 2003 until September 2004. In July 2005, Mr.  
3 Strom filed an action alleging violations of the FCA on behalf of himself and the United States  
4 Government pursuant to the *qui tam* provisions of the FCA, 31 U.S.C. § 3730(b)(1) (2008).

5           11. Defendant Scios is, and at all times herein mentioned was, a corporation  
6 organized and existing under the laws of the State of Delaware, with its principal places of  
7 business being located in Alameda County and Santa Clara County, California. Scios is a wholly  
8 owned subsidiary of J&J. Since August 13, 2001, and at all times relevant to the complaint,  
9 Scios has been marketing and selling Natrecor, a cardiovascular drug.

10           12. Defendant J&J is, and at all times since April 29, 2003 was, the parent company  
11 of Scios. J&J is a New Jersey corporation with its principal place of business in New Brunswick,  
12 New Jersey. J&J manufactures, markets, and sells a wide range of pharmaceutical, medical, and  
13 related products. J&J is qualified to do business in California and is doing business in  
14 California.

15           13. There exists, and at all times since April 29, 2003 existed, a unity of interest and  
16 ownership between Defendants Scios and J&J such that any individuality and separateness  
17 between them have ceased, and Scios is the alter ego of J&J in that J&J has been controlling the  
18 business and daily operations of Scios.

19           14. Specifically, J&J has been exercising strict supervision, control, and dominion  
20 over Scios’s activities, decisions, policies, and practices related to sales goals, sales tactics,  
21 compliance, regulatory affairs, medical affairs, research and development, human resources, legal  
22 issues, budget, accounting, employee compensation, employee benefits, employee expenses,  
23 manufacturing, and public relations. J&J set Scios’s business objectives and sales goals and  
24 regularly reviewed and approved Scios’s sales numbers and projections. In February 2004, Scios  
25 confirmed to J&J that its strategies included achieving the 2004 Business Plan, growing  
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1 Natrecor's revenue to \$1 billion by 2007, developing relationships with assigned J&J resources,  
2 effectively partnering with J&J affiliates, adopting the best aspects of J&J culture, and  
3 implementing J&J's performance review system and compensation programs.

4 15. By way of further example, J&J decided to redeploy sales representatives from  
5 another subsidiary, Centocor, to Scios, to realign Scios's sales force, and to transfer the  
6 manufacturing of Natrecor to J&J's central pharmaceutical manufacturing facility, Global  
7 Biologics Supply Chain. J&J also identified critical employees to retain with the incentive of  
8 retention bonuses approved by J&J, set Scios's aggregate headcount targets, and imposed hiring  
9 constraints on Scios. In January 2006, J&J executives decided to reduce Scios's sales force, to  
10 have them co-promote with another J&J subsidiary, Ortho-Biotech, and to relocate Scios's  
11 headquarters to a site in Mountain View, California occupied by another J&J subsidiary, Alza. In  
12 effect, J&J operated its subsidiaries as divisions of the same company.

13 16. Since the April 2003 acquisition, J&J has been Scios's sole owner. After the  
14 acquisition, Scios ceased filing reports with the SEC and J&J began including Scios's revenue as  
15 part of J&J's revenue in J&J's SEC filings. J&J and Scios also have shared directors and  
16 in-house counsel. Scios's President and Chief Executive Officer ("CEO") has been directly  
17 reporting to a J&J Company Group Chairman, who in turn reports to J&J's Executive Committee  
18 and Board of Directors. In February 2004, J&J replaced Scios's President and CEO, Richard  
19 Brewer, with a J&J executive, Jim Mitchell, and determined the amount of compensation,  
20 bonuses, and stock options Jim Mitchell would receive. Other members of Scios's Corporate  
21 Management Committee have been reporting directly to either to J&J or to Scios's President and  
22 CEO, who in turn, reports directly to J&J. J&J gave some members of Scios's Corporate  
23 Management Committee official J&J job titles and responsibilities for activities at J&J  
24 subsidiaries other than Scios. J&J also set the compensation and bonuses for Scios executives.  
25 Thus, Scios's executives, officers, directors, and counsel have not been acting independently in  
26 the interest of Scios, but were supervised and controlled by J&J.

17. Adherence to the fiction of the separate existence of Scios as an entity distinct from J&J would permit an abuse of the corporate privilege and would sanction fraud and promote injustice. Although Scios continues to exist as a corporate entity, it is in the process of closing and has limited assets. The United States is informed and believes that since J&J acquired Scios for approximately \$2.4 billion in April 2003, J&J has been controlling Scios's budget, has had to approve all significant spending at Scios, has allotted specific amounts for Scios to spend, and has set aside funds to cover Scios's expenses when Scios's final year end sales number was less than expected. The United States is further informed and believes that Scios's ability to pay its liabilities is dependent upon J&J, and that J&J has authorized depletion of Scios's assets to the extent that Scios has insufficient funds to pay the monetary damages and penalties the United States identifies below.

#### IV. THE FALSE CLAIMS ACT

18. The FCA, 31 U.S.C. §§ 3729-33, provides for the award of treble damages and civil penalties for, *inter alia*, knowingly causing the submission of false or fraudulent claims for payment to the United States Government. 31 U.S.C. § 3729(a)(1) (2008).

The FCA provides, in pertinent part, that:

(a) Any person who (1) knowingly presents, or causes to be presented, to an officer or employee of the United States Government or a member of the Armed Forces of the United States a false or fraudulent claim for payment or approval;

\* \* \*

is liable to the United States Government for a civil penalty of not less than \$5,000 and not more than \$10,000, plus 3 times the amount of damages which the Government sustains because of the act of that person .

...

(b) For purposes of this section, the terms "knowing" and "knowingly" mean that a person, with respect to information (1) has actual knowledge of the information; (2) acts in deliberate ignorance of the truth or falsity of the information; or (3) acts in reckless disregard of the truth or falsity of the information, and no proof of specific intent to defraud is required.

31 U.S.C. § 3729 (2008).

1 19. Pursuant to the Federal Civil Penalties Inflation Adjustment Act of 1990, as  
2 amended by the Debt Collection Improvement Act of 1996, 28 U.S.C. § 2461 (notes), and 64  
3 Fed. Reg. 47099, 47103 (1999), the FCA civil penalties were adjusted to \$5,500 to \$11,000 per  
4 false claim for violations occurring on or after September 29, 1999.

#### 5 **V. THE FEDERAL HEALTH CARE PROGRAMS**

##### 6 **A. The Medicare Program**

###### 7 **(1) Medicare Parts A and B**

8 20. In 1965, Congress enacted Title XVIII of the Social Security Act, known as the  
9 Medicare program, to pay for the costs of certain healthcare services and items. Entitlement to  
10 Medicare is based on age, disability or affliction with end-stage renal disease. 42 U.S.C. §§ 426-  
11 426a, 1395o.

12 21. HHS is responsible for the administration and supervision of the Medicare  
13 program. CMS is an agency of HHS and directly administers the Medicare program. The  
14 Medicare program has several parts. Part A authorizes payment for institutional care, including  
15 hospital, skilled nursing facility, and home health care. 42 U.S.C. §§ 1395c–1395i. Part B  
16 (“Supplementary Medical Insurance for the Aged and Disabled”) generally covers, *inter alia*,  
17 drugs which are provided incident to a physician’s service and cannot usually be self-  
18 administered (such as Natrecor). 42 U.S.C. § 1395k; 42 C.F.R. §§ 410.26, 414.701, 410.10.

19 22. Under the Medicare program, CMS makes payments retrospectively (after the  
20 services are rendered) to providers for inpatient and outpatient services.

21 23. Generally, Medicare’s hospital outpatient prospective payment system (“OPPS”)  
22 reimburses covered outpatient services furnished by hospitals participating in the Medicare  
23 program (with some exceptions). 42 U.S.C. § 1395l(t); 42 C.F.R. § 419.20. Under the OPPTS,  
24 hospitals are paid a set amount of money to provide certain outpatient services to Medicare  
25 beneficiaries.

26 24. Medicare also allows additional payments for, *inter alia*, a new medical device,  
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1 drug, or biological through the transitional pass-through for additional costs of innovative  
2 medical devices, drugs, and biologicals. 42 U.S.C. § 1395l(t)(6); §§ 419.20-21. A new drug or  
3 biological may qualify for certain additional payments in the hospital outpatient setting if (1) it  
4 was not being made as of December 31, 1996, and (2) the cost of the drug or biological is not  
5 insignificant in relation to the particular fee schedule amount. 42 U.S.C. § 1395l(t)(6).

6 25. For services provided incident to a physician's service under Part B, Medicare  
7 will generally pay 80 percent of the "reasonable" charge for medically necessary items and  
8 services provided to beneficiaries. 42 U.S.C. §§ 1395l (a)(1), 1395y(a)(1). For most services,  
9 the reasonable charge is determined based on criteria that include (a) the provider's customary  
10 charge, and (b) the prevailing charge for the service in the locality. 42 C.F.R. §§ 405.501-04.

11 26. To assist in the administration of Medicare Part A, CMS contracts with "fiscal  
12 intermediaries." 42 U.S.C. § 1395h. Fiscal intermediaries, typically insurance companies, are  
13 responsible for processing and paying claims and cost reports.

14 27. CMS also contracts with private insurance carriers to administer and pay Part B  
15 claims from the Medicare Trust Fund. 42 U.S.C. § 1395u. The carriers receive, process and pay  
16 claims under Part B for drugs from various doctors and other Medicare providers and suppliers.

17 28. Since approximately November 2006, and thereafter, Medicare administrative  
18 contractors ("MACs") began replacing the carriers and fiscal intermediaries. *See* 71 Fed. Reg.  
19 67960, 68181 (Nov. 24, 2007). Hereinafter "carriers," "fiscal intermediaries," and "MACs" will  
20 be referred to collectively as "Medicare Contractors." The Medicare Contractors generally act on  
21 behalf of CMS. 42 C.F.R. § 421.5(b).

## 22 (2) Off-label Coverage under Medicare

23 29. Medicare provides for drug coverage only where the use of a drug has been  
24 shown to be safe and effective and is otherwise reasonable and necessary. 42 U.S.C. §  
25 1395y(a)(1)(A). Drugs approved for marketing by the FDA are considered safe and effective  
26 when used for indications specified on the labeling.



1 30. Medicare coverage of an outpatient drug for an off-label use occurs only where  
2 the use is medically accepted, taking into account the major drug compendia, (*e.g.*, Drugdex,  
3 American Hospital Formulary Service, and U.S. Pharmacopeia-Drug Information), authoritative  
4 medical literature, and/or accepted standards of medical practice. *See* Medicare Benefit Policy  
Manual Chap. 6 § 30 & Chap. 15, § 50.4.1. & .2.

5 **B. The TRICARE Program**

6 31. TRICARE, formerly known as CHAMPUS, is a managed health care program  
7 established by the Department of Defense. 10 U.S.C. §§ 1071-1110. TRICARE provides health  
8 care benefits to eligible beneficiaries, which include, among others, active duty service members,  
9 retired service members, and their dependents.

10 32. The regulatory authority establishing the TRICARE program does not cover  
11 drugs not approved by the FDA. *See* 32 C.F.R. § 199.4(g)(15)(i)(A).

12 33. TRICARE does not cover drugs used for off-label indications unless such off-  
13 label use is proven medically necessary and safe and effective by medical literature, national  
14 organizations, or technology assessment bodies. *See* 32 C.F.R. §199.4(g)(15)(i)(A)(Note).

15 **C. The Federal Employee Health Benefits Program**

16 34. The FEHBP is a federally-funded health care program established by Congress in  
17 1959, pursuant to the Federal Employees Health Benefits Act. 5 U.S.C. §§ 8901 *et seq.*

18 35. The Office of Personnel Management (“OPM”) administers this program and  
19 contracts with various health insurance carriers to provide services to FEHBP members. *Id.* at §§  
20 8902, 8909(a).

21 36. Monies for the FEHBP are maintained in the Employees Benefits Fund  
22 (“Treasury Fund”), which OPM administers. *Id.* at § 8909(a).

23 37. The Treasury Fund — which the United States Treasury holds and invests — is  
24 the source of all relevant payments to the insurance carriers for services rendered to members.  
25 *Id.* § 8909.

38. Benefits under the FEHBP program are payable only when medically necessary to prevent, diagnose, or treat an illness, disease, injury or condition. During the relevant time period, the benefit plans for FEHBP insurance carriers Blue Cross and Blue Shield, Government Employees Hospital Association, Inc., and Mail Handlers Benefit Plan specifically provided that they did not cover services, drugs, or supplies that are not medically necessary.

## VI. FACTUAL ALLEGATIONS

### A. FDA Approval of Natrecor

39. Scios developed the drug Natrecor (generic name is nesiritide) in the 1990s for the short-term treatment of patients with acutely decompensated congestive heart failure (“ADHF”). Decompensation means that the patient’s lungs have accumulated fluid.

40. Scios initially sought FDA approval of Natrecor to treat ADHF in 1998, but the FDA rejected the application due to safety concerns, particularly relating to the drug’s propensity to cause symptomatic hypotension (unusually low blood pressure).

41. Scios subsequently sponsored an additional study called VMAC (Vasodilation in the Management of Acute Congestive Heart Failure) to determine dosages of Natrecor that effectively treated ADHF but were less likely to cause hypotension.

42. The patients in VMAC were hospitalized with ADHF with dyspnea (shortness of breath) at rest and received Natrecor infusions for an average of 36 hours, ranging from 24 to 48 hours. The study compared the effect of Natrecor, placebo, and IV nitroglycerin when added to background therapy (IV and oral diuretics, non-IV cardiac medications, dobutamine and dopamine). The primary endpoints of the study were the change from baseline in pulmonary capillary wedge pressure (“PCWP”) (a measure of the pulmonary vascular pressure of the heart, reflecting its workload) and the change from baseline in patients’ dyspnea after three hours.

43. In August 2001, based on the VMAC study and results, the FDA approved Natrecor for a limited use. The Indications and Usage section of the FDA-approved label specifies the approved indication:

1 Natrecor (nesiritide) is indicated for the intravenous treatment of patients with  
2 acutely decompensated congestive heart failure who have dyspnea at rest or with  
3 minimal activity. In this population, the use of Natrecor reduced pulmonary  
4 capillary wedge pressure and improved dyspnea.

5 44. The label states that VMAC included patients “who required hospitalization for  
6 management of shortness of breath at rest due to acutely decompensated CHF.” In the  
7 Precautions section, the label states that “Natrecor should be administered only in settings where  
8 blood pressure can be monitored closely” in order to determine whether a patient is developing  
9 hypotension.

10 **B. CMS Coding**

11 45. Scios submitted an application to CMS for an Ambulatory Payment  
12 Classification (“APC”) pass-through code under OPSS for Natrecor. CMS issued an APC pass-  
13 through code under OPSS for Natrecor, effective April 1, 2002.

14 46. Scios submitted an application to CMS for a J code for Natrecor for services  
15 rendered in the outpatient setting. A J code is used for Medicare billing to report injectable drugs  
16 that ordinarily cannot be self-administered. CMS issued a J code for Natrecor for services  
17 rendered in the outpatient setting, effective January 1, 2003.

18 47. Billing under these codes is proper only if the services are covered under  
19 Medicare as medically necessary.

20 **C. The FUSION Outpatient Studies**

21 **(1) FUSION I**

22 48. Immediately after the launch of Natrecor in August 2001, Scios started the  
23 FUSION I trial (derived from the study’s fully name — Management of Heart Failure after  
24 Hospitalization with Follow Up Serial Infusions of Nesiritide in an Outpatient Setting).  
25 FUSION I was a pilot study designed only to assess the ability of a patient with chronic  
26 congestive heart failure to tolerate these serial infusions (*i.e.*, to study the safety of serial  
27 infusions) and thus was not a study that could be used to determine the efficacy of the serial

infusions.

1           49. Scios described the study as a multi-center (46 sites), randomized, three-treatment  
2 arm, open-label (thus the doctors and patients knew who were receiving Natrecor) pilot study of  
3 210 chronic heart failure patients at high risk for rehospitalization.

4           50. The patients generally had weekly outpatient visits for 12 weeks and the patients  
5 receiving Natrecor got a four to six hour infusion at each weekly visit.

6           51. Scios announced the results of FUSION I in September 2003, stating that the  
7 study suggested that weekly outpatient infusions of Natrecor could be safely administered to treat  
8 high-risk patients with advanced CHF. While the study was not designed to support any  
9 conclusion about the efficacy of Natrecor for serial infusions, a Scios press release nevertheless  
10 announced that “[d]ata from the FUSION I study suggests that the Natrecor-treated patients show  
11 improvements in clinical status with longer life expectancy and a lower frequency of  
12 hospitalizations compared to the group of patients receiving standard care.”

13           52. Scios disseminated the results of FUSION I widely, claiming that it supported not  
14 only the safety but the efficacy of Natrecor for serial infusions.

15           **(2) FUSION II**

16           53. In 2004, Scios, now part of J&J, started a second trial on the outpatient use of  
17 Natrecor. Unlike FUSION I, FUSION II was a blinded and controlled study. It was also  
18 specifically designed to determine the efficacy of serial outpatient Natrecor infusions and to  
19 measure whether these infusions lowered mortality and hospitalization rates.

20           54. In 2007, Scios released the results of its FUSION II trial. The study did not show  
21 any significant benefits of serial outpatient Natrecor infusions in comparison to standard care.

22           **D. Defendants’ Knowledge Of The Off-Label Nature of Outpatient Infusions**

23           55. Defendants knew that Natrecor was approved only for patients with ADHF who  
24 have dyspnea at rest or with minimal activity. Nevertheless, Defendants marketed Natrecor for  
25 use in patients who had congestive heart failure (“CHF”), but were not acutely decompensated  
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and/or did not have dyspnea at rest or with minimal activity.

1           56. Specifically, Defendants marketed Natrecor for use in chronic CHF patients in  
2 outpatient settings on a scheduled basis.

3           57. By definition, an acute episode of decompensated CHF with dyspnea at rest or  
4 with minimal activity is an emergency situation that does not occur on a scheduled basis.

5 Defendants understood this definition. For example, in its June 2001 Prospectus Supplement for  
6 its common stock offering, Scios explained that “[m]any CHF patients will eventually experience  
7 a rapid deterioration, or decompensation, and require urgent treatment in the hospital. This  
8 condition is called acute CHF.”

9           58. Defendants knew that outpatient infusions would generally not be for the acutely  
10 decompensated patients described in Natrecor’s label, except in the rare circumstance when an  
11 acutely decompensated patient with dyspnea at rest or with minimal activity sought care from a  
12 doctor’s office or clinic instead of a hospital or emergency room. For example, on April 9, 2001,  
13 Scios Director of Operations Rosemary Malvey characterized Natrecor as “strictly a hospital  
14 product.” In early 2002, Scios hired a consultant (Adair Greene) to draft a “Natrecor Out-patient  
15 Infusion Business Plan.” That document stated, *inter alia*: “Because patients being treated in an  
16 outpatient setting will be in a relatively compensated state, the appropriate dose of Natrecor  
17 infusion may be lower than the dose used in acutely decompensated patients”; and “There is an  
18 unmet need for effective outpatient treatment of advanced chronic CHF.” In addition, the dosage  
19 used for the outpatient infusions of Natrecor was at odds with the dosage used for the acute  
20 patients in VMAC, the study upon which Natrecor’s FDA approval was based. VMAC involved  
21 hospitalized patients who received Natrecor infusions ranging from 24 to 48 hours, while the  
22 outpatient infusions typically lasted six hours or less.

23           59. During 2002, Scios convened an Outpatient Infusion Advisory board to, *inter*  
24 *alia*, advise Scios on designing a clinical trial that would lead to FDA approval of an outpatient  
25 indication for Natrecor. Defendants, however, never applied for FDA approval of a new  
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1 Natrecor indication for outpatient CHF management, and Defendants continued to sell Natrecor  
2 in a 1.5 mg vial, which was designed for an approximately 24-hour infusion, in contrast to the  
3 much smaller amount that was typically used for an outpatient infusion.

4 60. Nevertheless, at Scios's April 2003 National Sales Meeting, Scios Manager of  
5 Outpatient Marketing Russell Cox discussed the outpatient market for Natrecor and noted that  
6 chronic patients were worth a great deal of money. At Scios's October 2003 National Sales  
7 Meeting, Cox noted that half of the Natrecor business was coming from the outpatient segment,  
8 and that Natrecor would ultimately go from an acute medication to a chronic medication. He  
9 further noted that the outpatient serial dose of Natrecor used for FUSION I was not within the  
10 label.

11 61. Defendants knew that scheduled outpatient infusions of Natrecor were outside of  
12 the FDA-approved label indication. For example, at Scios's April 2002 National Sales Meeting,  
13 Scios Marketing Director George Mahaffey stated that intermittent infusions were not on label,  
14 and characterized the FUSION study as off label. In a February 10, 2003 public conference call  
15 by Scios and J&J regarding their acquisition agreement, George Schreiner, Scios's Vice  
16 President and Chief Scientific Officer, said that the outpatient use of Natrecor which was being  
17 studied in the FUSION I trial "of course is not currently within label but we are conducting the  
18 appropriate studies to potentially make it eligible for a label extension."

19 **E. Defendants' Scheme To Market Natrecor For Serial Outpatient Infusions**

20 **(1) Defendants' Focus On The Outpatient Market**

21 62. At Scios's April 2002 National Sales Meeting, Scios Marketing Director George  
22 Mahaffey discussed the market for outpatient infusions with the sales force, including, *inter alia*,  
23 converting outpatient clinics from a class of infusion cardiac drugs known as inotropes to  
24 Natrecor. Infusions of inotropes were generally used in the outpatient setting for chronic CHF  
25 patients. Scios wanted these clinics to use Natrecor in a similar manner. Mahaffey referred to  
26 hospital-based infusion clinics and heart failure clinics as banks, and physician office clinics as

ATMs.

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63. A draft of the Natrecor 2003 Business Plan (reviewed by Scios CEO Richard Brewer) listed as one of Scios's 2003 objectives: "Achieve 2% penetration of the patients treated serially via outpatient infusion for CHF by year-end 2003," and as one of its long-term objectives: "Develop the outpatient infusion market and achieve at least 15% penetration of the estimated 145k patients treated with serial outpatient infusion by 2007." Scios estimated Natrecor's 2002 outpatient penetration rate to be 1% of available patients.

64. In 2003, Defendants estimated that the size of the outpatient market was approximately 125,000 patients and that the average revenue that could be generated per person from outpatient use of Natrecor was \$9,600, as compared to \$1,000 in the inpatient setting. In approximately late 2002 or early 2003, a presentation at a Scios sales management meeting in Dallas discussed the potential for patients receiving 12 vials every three months in an outpatient setting (*i.e.*, approximately one vial per week). A presentation at Scios's April 2003 National Sales Meeting stated that the 2003 Natrecor outpatient revenue represented 2,060 patients at 24 vials per patient.

65. On June 6, 2002, Kim Hillis, Scios's Director of Sales, wrote to the sales management with her thoughts on the areas where Scios's marketing, clinical, and sales efforts should be directed to achieve \$1 billion in annual sales of Natrecor. Outpatient infusion was the first area Hillis listed. At Scios's April 2003 national sales meeting, Russell Cox, Scios's Manager of Outpatient Marketing, told the sales force that outpatient infusion "represents our largest growth opportunity for Natrecor." In January 2005, Defendants estimated that Natrecor outpatient sales had increased by 173% for 2004, would increase by 81% for 2005, and that their outpatient infusion business would grow at a higher rate than their base hospital business.

66. Defendants maintained an Outpatient Infusion Center database from March 2003 to July 2004 to, *inter alia*, evaluate the market opportunity represented by outpatient infusion centers and measure the amount of revenue being generated by outpatient infusion centers as



1 related to their use of Natrecor. One of the aims of the database was to accelerate adoption of  
2 Natrecor in the outpatient infusion market.

3 67. In addition to the control J&J has been exercising over Scios, J&J was directly  
4 involved in Scios's marketing of Natrecor for serial, outpatient use. J&J knew and approved of  
5 Scios's marketing goals and strategies that included marketing Natrecor for serial, outpatient use.  
6 For example, even before the acquisition, J&J officers learned during the due diligence process  
7 that:

- 8 a. The FDA had only approved Natrecor for treatment of acute congestive heart failure, not treatment of chronic congestive heart failure;
- 9 b. Despite Natrecor's approved use, Scios was marketing Natrecor for serial outpatient use;
- 10 c. There would be significant upside potential if Scios were able to achieve an indication for chronic outpatient use – *i.e.*, the sales forecast would increase by \$330 million (from \$600 million to \$930 million);
- 11 d. Scios's Business Plan included continuing to market Natrecor for outpatient use;
- 12 e. Success in the outpatient setting would depend on Medicare continuing to reimburse for "treatment on a chronic basis," and that until Medicare's view was clear, "it is a risk that is difficult to assess;" and
- 13 f. Scios was facilitating Medicare reimbursement for outpatient use through its Natrecor Reimbursement Quick Reference guide, its reimbursement support hotline, and its website, which also indicated that there was a financial incentive for physicians to use Natrecor in the outpatient setting.

14 68. Just after the acquisition, J&J and Scios jointly presented their plan to grow the  
15 outpatient congestive heart failure market to \$100 million in 2004, \$200 million in 2005, over  
16 \$300 million in 2006, and over \$400 million in 2007. This plan was a key component of J&J's  
17 plan to grow Scios's total revenue to over \$1 billion by 2007.

18 69. Further evidencing J&J's direct involvement in Scios's marketing of Natrecor for  
19 serial outpatient use, on June 27, 2003, the Chairman of J&J's Board of Directors, Bill Weldon,  
20 visited Scios and reviewed Defendants' 2003/2004 Natrecor Business Plan, which discusses the  
21 plan to continue marketing Natrecor for outpatient use and sets separate sales goals for  
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1 “Outpatient” sales. Likewise, in March 2004, J&J Company Group Chairman Joe Scodari  
2 reviewed and approved the 2004 Business Plan and Strategic Plan. The 2004 Business Plan: (a)  
3 discusses the plan to continue marketing Natrecor for outpatient use by “[e]stablish[ing] a  
4 growing prescriber and advocate base that will drive Natrecor as the preferred management  
5 strategy in the outpatient setting (increase monthly infusion revenue from \$3M to \$9.5M)”; (b)  
6 provides separate sales goals for “Acute CHF” sales and “Outpatient” sales, thereby  
7 differentiating outpatient infusions from the approved indication; and (c) estimates that there are  
8 129,000 eligible outpatient patients who may use 17 vials of Natrecor each, as opposed to 2.6  
9 vials for each eligible “Acute CHF” patient. The 2004 Strategic plan likewise discusses: (a)  
10 Scios’s “Development Strategy for Natrecor for the Chronic Intermittent Outpatient Market;” (b)  
11 “Leveraging the Natrecor Platform” for Outpatient Chronic CHF; (c) “Improv[ing] infusion  
12 procedure payment rate in hospital outpatient department;” and (d) “Increas[ing] business  
13 acumen of treating physicians.”

14 70. Defendants used numerous tactics to encourage health care providers to use  
15 Natrecor in CHF patients in outpatient clinics on a scheduled basis. Several examples follow.

16 71. Defendants encouraged health care providers to start outpatient infusion clinics  
17 that used Natrecor. For example, Defendants paid grant funds and provided other resources to  
18 health care providers to use in starting outpatient infusion clinics. Among other things, Scios  
19 provided health care professionals with its Heart Failure Clinic Marketing Resource Kit, which  
20 included, *inter alia*, form press releases for outpatient clinics to announce their activities, and  
21 other promotional materials. Scios also provided health care professionals with its Clinical  
22 Resource Compendium for the Heart Failure Clinic which, *inter alia*, provided contact  
23 information for existing outpatient clinics that used Natrecor, as well as for medical supply and  
24 equipment companies and reimbursement consultants. In late 2003, Kim Hillis, Scios’s Director  
25 of Sales, directed sales management to utilize Defendants’ Scientific Affairs Managers to help  
26 develop new Natrecor outpatient infusion clinics.

1 72. Defendants' sales force visited existing outpatient infusion clinics that used a  
2 class of infusion cardiac drugs called inotropes, in an effort to encourage the clinics to administer  
3 Natreacor to their patients instead of inotropes. For example, on December 13, 2002, Director of  
4 Sales Hillis directed the sales force to "[t]arget existing outpatient infusion clinics using a high  
5 volume of inotropes." A breakout session at Scios's 2003 National Sales meeting trained the  
6 sales force to "flip" existing clinics to Natreacor use. Defendants implemented this plan. For  
7 example, Defendants got Owensboro Heart and Vascular clinic in Kentucky to transition  
8 numerous CHF patients from inotrope therapy to outpatient Natreacor infusions in part by funding  
9 this clinic to study the effects and benefits of such transitions. Owensboro Heart and Vascular  
10 subsequently submitted claims to Medicare totaling more than \$800,000 for serial, outpatient  
11 infusions of Natreacor. Defendants also used Owensboro Heart and Vascular's study to encourage  
12 other outpatient clinics to convert from inotropes to Natreacor.

13 73. A draft of the Natreacor 2003 Marketing Plan (reviewed by Scios CEO Brewer)  
14 stated that "[t]he sales force is identifying and targeting the 10 top outpatient infusion centers in  
15 each area business unit and will focus educational and informational programs on the safe and  
16 appropriate use of Natreacor in these centers during 2003."

17 74. Defendants' management trained the sales force to market for outpatient use  
18 because "that's where the money is," and trained the sales force to discuss "symptomatic"  
19 patients rather than using the word "acute" when selling Natreacor to the outpatient market.  
20 Management directed that one of the Scios sales force's objectives for 2002 was to expand the  
21 use of Natreacor in outpatient infusion centers. A January 2003 presentation by Scios  
22 Cardiovascular Specialist (sales representative) Luanne Morris entitled Outpatient Infusion  
23 Centers trained the Scios sales force to target hospital outpatient clinics and physicians' offices.  
24 In approximately late 2002 or early 2003, at a sales management meeting in Dallas, management  
25 was told to direct the sales representatives to "[a]ggressively pursue business" in the outpatient  
26 infusion market. During a sales representative training session in February 2004, Defendants

1 discussed separate sales goals for “Acute CHF” sales, and “Outpatient” sales, and their plan to  
2 continue marketing Natrecor for outpatient use by “establish[ing] a growing prescriber and  
3 advocate base that will drive Natrecor as the preferred management strategy in the outpatient  
4 setting.” They further instructed the sales force that the “Outpatient Market Development  
5 Strategy” was to maximize exposure to outpatient infusion data such as FUSION I, to increase  
6 the number of treaters through Centers of Excellence (discussed below), the ADHERE LM  
7 registry (discussed below), and FUSION II, and to maintain or improve the positive  
8 reimbursement environment through a reimbursement initiative with J&J.

9 75. Despite all of Defendants’ efforts to market Natrecor for outpatient infusions,  
10 Defendants told the FDA in an April 11, 2005 letter that “Scios does not currently market  
11 Natrecor in a manner that suggests that it should or should not be used specifically in the  
12 outpatient setting,” and that “Scios’s written policies and training materials emphasize the  
13 company’s unambiguous policy that the promotion of serial or scheduled administration of  
14 Natrecor is not permitted.”

#### 15 **(2) Defendants’ Payments to Health Care Professionals**

16 76. One of Defendants’ Centers of Excellence (discussed below) was South Bay  
17 Cardiovascular Associates in West Islip, New York (“South Bay”). The Natrecor sales force  
18 received training on South Bay’s outpatient use of Natrecor, including a presentation during the  
19 September 29 to October 3, 2003 sales training, during which the sales force was taught that  
20 Natrecor “can be safely and effectively used on an intermittent basis.” From 2003 to 2005,  
21 Defendants paid over \$100,000 to a nurse at South Bay. This nurse made promotional speeches  
22 relating to the outpatient use of Natrecor; she trained other health care providers on the outpatient  
23 use of Natrecor; and her name appears as author on various publications relating to the outpatient  
24 use of Natrecor, including, *inter alia*, “Nesiritide in an Outpatient Infusion Clinic Setting - Case  
25 Studies of 17 patients,” which was published in the Journal of Cardiac Failure in August 2002.

26 77. Defendants paid numerous other health care professionals who authored articles,

1 made promotional speeches, and taught continuing medical education courses that promoted the  
2 outpatient use of Natrecor. Several examples follow.

3 78. From 2003 to 2005, Defendants paid a cardiologist at Hackensack University  
4 Medical Center over \$250,000. This doctor made speeches promoting the outpatient use of  
5 Natrecor, and was listed as author of articles on Natrecor, including at least two that were  
6 ghostwritten at Defendants' expense. For example, the doctor is listed as one of many authors in  
7 the article, "Safety and Feasibility of Using Serial Infusions of Nesiritide for Heart Failure in an  
8 Outpatient Setting (From the FUSION I Trial)."

9 79. On or about May 2004, defendants paid a \$500,000 grant to the University of  
10 Texas Southwestern Medical Center for a cardiology fellowship. A cardiologist at the University  
11 of Texas Southwestern Medical Center was a key proponent of Natrecor outpatient infusions,  
12 authoring articles and giving speeches that promoted the outpatient use of Natrecor. For  
13 example, at an Annual Scientific Meeting in Las Vegas in September 2003, this doctor disclosed  
14 he was a Scios consultant who had received honoraria, an educational grant, and research support  
15 from Scios, and then discussed FUSION I and using Natrecor in the outpatient setting for treating  
16 chronic decompensated heart failure patients.

17 80. From 2003 to 2005, a cardiologist and former Medical Director at the Midwest  
18 Heart Specialists received over \$160,000 from Scios, for speaking in favor of Natrecor, and the  
19 Midwest Heart Foundation, which is affiliated with Midwest Heart Specialists, received over  
20 \$250,000 in grant funds from Scios.

21 81. All of these healthcare providers promoted the outpatient use of Natrecor for  
22 serial infusions despite the lack of any scientific evidence to support the efficacy of such  
23 treatment.

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**(3) Defendants' Centers of Excellence Program**

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82. Defendants also encouraged scheduled outpatient infusions of Natrecor through their Centers of Excellence (later renamed Commitment to Excellence) Program. Under this program, Defendants sent health care practitioners who were potentially interested in starting outpatient infusion clinics to existing outpatient clinics that used Natrecor, in order to observe and learn. For example, prior to opening their own outpatient clinics, doctors and nurses from New York and Rhode Island visited South Bay to meet with the South Bay nurse and see how the South Bay clinic operated. At least three of the doctors who met with the nurse and then opened their own outpatient clinic each subsequently submitted claims to Medicare totaling more than \$500,000 for serial, outpatient infusions of Natrecor. In a November 19, 2003 presentation to J&J officials, Scios officials acknowledged that Natrecor outpatient infusions were due in part to the Centers of Excellence program. In December 2003, Director of Sales Hillis included the Centers of Excellence program on a list of Scios's 2004 marketing programs for the outpatient market. Defendants' 2004 Business Plan for Natrecor called the Centers of Excellence program the primary tactic for achieving Scios's goal of doubling the number of outpatient clinics delivering more than 20 infusions of Natrecor per month. Defendants budgeted \$750,000 for this program in 2004.

83. During the same year that Defendants budgeted \$750,000 for the Centers of Excellence program in an effort to double the number of outpatient clinics delivering more than 20 infusions of Natrecor per month, Defendants provided the FDA with slides from an October 12, 2004 training presentation indicating that the sales force was being trained not to market Natrecor for scheduled infusions. The presentation, given by Scios's Senior Director, Health Care Compliance Director Naoko Fuji, stated that "we must not promote Natrecor for conditions requiring chronic, long-term or prophylactic therapy given that such promotion would not fall within the label indication currently approved for our drug."

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**(4) Defendants' Ghostwriting**

1 84. Beginning in 2003, Defendants hired a company called Ingenix to ghostwrite  
2 articles about Natrecor, including its outpatient use, and arranged to submit them for publication  
3 in journals. Ingenix wrote the articles and Defendants selected the doctors and nurses to place  
4 their names on the articles as "authors." The above-mentioned South Bay nurse and the  
5 cardiologist from the University of Texas Southwestern Medical Center, among many others,  
6 allowed Scios to use their names as "authors" of these ghostwritten articles. For example,  
7 Ingenix ghostwrote "Nesiritide in an Outpatient Infusion Clinic Setting - Experience in Treating  
8 111 Patients for Up to 2 Years," ostensibly authored by the South Bay nurse and others; and  
9 "Potential Applications of Outpatient Nesiritide Infusions in Patients with Advanced Heart  
10 Failure and Concomitant Renal Insufficiency: Retrospective Results From the FUSION I Trial,"  
11 ostensibly authored, *inter alia*, by the above-mentioned cardiologist.

**(5) Defendants' Use Of CME To Promote Serial Outpatient Infusions**

12 85. Rather than treating continuing medical education ("CME") as a non-promotional,  
13 educational endeavor, Scios included CME in its product marketing budget. For example, the  
14 2002 budget included \$900,000 for continuing medical education and \$400,000 for continuing  
15 pharmacy education. Scios-sponsored CME included courses on outpatient infusions. For  
16 instance, in 2003, Scios sponsored a CME monograph entitled "Outpatient Management of Heart  
17 Failure: Program Development and Experience in Clinical Practice." The monograph included a  
18 Natrecor treatment algorithm. Copies of the monograph were provided to Defendants' sales  
19 force for distribution to health care professionals. In addition, Scios sponsored a web-based  
20 CME in 2003 entitled "Innovative Outpatient Treatment Options for the Decompensated Heart  
21 Failure Patient," whose speakers included the South Bay nurse and other health care  
22 professionals from outpatient clinics that used Natrecor. The sales force was provided with  
23 invitations to this course for distribution to customers. Scios had input into the content of CME  
24 through its ghostwriting company Ingenix and others. For example, Ingenix developed slide sets  
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1 for the Scios-funded INITIATE CME dinner programs and ghostwrote a CME monograph  
2 entitled “Strategies for Reducing Rehospitalization of HF Patients.”

3 **(6) ADHERE Registry**

4 86. In 2001, Scios began a registry, called ADHERE, ostensibly to track treatment of  
5 CHF patients. In 2003, Scios created the ADHERE Longitudinal Module (“LM”), ostensibly “to  
6 gain a better understanding of patient outcomes and quality of care over time for patients with  
7 HF.” ADHERE LM was directed at the outpatient population. One of Scios’s true purposes in  
8 creating and sponsoring the ADHERE and ADHERE LM registries, however, was to utilize them  
9 as marketing tools. The registries provided Scios’s sales force with a means of attracting the  
10 attention of doctors and nurses and starting a dialog about why they should use Natrecor. They  
11 also allowed Scios to gather and disseminate data it viewed as favorable regarding Natrecor,  
12 including outpatient Natrecor infusions. In addition, Scios held ADHERE meetings and  
13 ADHERE LM meetings at lavish hotels as a way to pay for doctors to take trips to desirable  
14 cities to attend presentations on the outpatient use of Natrecor. For example, the ADHERE LM  
15 kick-off meeting was held in May 2003 at the Ritz-Carlton in Washington, D.C. After these  
16 expensive meetings, Scios would assess its return on investment – the Natrecor sales generated  
17 as a result of the meetings.

18 87. Numerous documents authored by Defendants’ employees refer to ADHERE’s  
19 true purpose as a marketing tool. For example, at Scios’s April 2002 National Sales Meeting,  
20 Associate Product Director Mark Rohman referred to ADHERE as the marketing program from  
21 which Scios would deliver the Natrecor message. In June 2002, Scios’s Vice President of  
22 Medical Affairs, Darlene Horton, called a meeting with Scios Marketing and ADHERE  
23 management to discuss “the various marketing tactics related to the Registry.” Scios Chief  
24 Executive Officer Richard Brewer’s handwritten notes of his November 19, 2002 meeting with  
25 Scios Marketing Director George Mahaffey stated, *inter alia*, “Registry as a key to dominate this  
26 market.”

1 88. A draft of the Natrecor 2003 Marketing Plan (reviewed by Brewer) stated that  
2 “[t]he ADHERE Registry is conducted to support the commercial operation.” A draft of the  
3 Natrecor 2003 Business Plan (reviewed by Brewer) stated that “[t]he ultimate long-term goal of  
4 the ADHERE Registry includes supporting the key messages and demonstrating value of  
5 Natrecor treatment in several areas,” and “[i]t is essential that the ADHERE database include  
6 large numbers of Natrecor patients to statistically prove positive effects.” That document further  
7 stated that “[t]he ADHERE Registry is conducted to support the commercial operation. The  
8 registry must provide data, information and programs to increase effectiveness of the sales force  
9 and to further elevate the image of Scios in the heart failure community.” A February 5, 2003  
10 Scios document entitled “Promotional Tactics: Executive Summary” stated that “[s]ales data  
11 show a direct relationship between regional ADHERE meetings and regional sales gains.”

12 89. J&J knew of, and approved, Scios’s utilization of ADHERE for marketing  
13 purposes. For example, a presentation on Defendant’s 2004 Natrecor Business Plan, given in  
14 July 2003 to J&J corporate officials by Scios’s Vice President of Sales and Marketing Randy St.  
15 Laurent and Scios’s Marketing Director George Mahaffey stated that “ADHERE is the  
16 foundation” for “2004 - year of extreme growth.”

17 90. Similarly, Defendants’ 2004 Natrecor Business Plan listed ADHERE LM and its  
18 meetings under “Outpatient Management Market - Business Driver - Number of Treaters.” A  
19 February 5, 2003 Scios document entitled “Promotional Tactics: Executive Summary” stated that  
20 18% of the promotional budget for outpatient infusion “has been ear-marked for the ADHERE  
21 LM kick-off meeting, advisory boards, and the Centers of Excellence Program.” At Scios’s  
22 April 2002 National Sales Meeting, Scios Marketing Director George Mahaffey referred to  
23 ADHERE LM as a phenomenal marketing tool. ADHERE LM was listed under “Outpatient  
24 Marketing Overview” in a presentation at Scios’s July 19, 2002 Natrecor Outpatient Infusion  
25 Advisory Board meeting. At Scios’s April 2004 National Sales Meeting, Clinical Registries  
26 Manager Patty Hynes discussed how ADHERE LM meetings led to an increase in Natrecor sales

for outpatient infusions.

1           **(7)     Reimbursement**

2           91. Defendants knew that Medicare paid for the vast bulk of Natrecor used in the  
3 United States, including scheduled outpatient infusions. A presentation at the August 2001  
4 Natrecor launch National Sales Meeting by Scios Vice President of Sales and Marketing Tom  
5 Feldman noted that “[o]ver 80% of the CHF patient population is over 65 years old.” That same  
6 presentation noted that Medicare paid for 72.98% of the claims for CHF diagnosis code (ICD-9)  
7 428.0, and stated that CHF is the “[s]ingle largest expense for Medicare.” A presentation at  
8 Scios’s July 19, 2002 Natrecor Outpatient Infusion Advisory Board meeting noted that  
9 reimbursement for outpatient infusions was from Medicare Part B. In a November 19, 2003  
10 presentation to J&J officials, Scios officials stated that “CHF is [the] most significant Medicare  
11 healthcare cost burden.” Defendants’ January 31 to February 4, 2005 training for the Natrecor  
12 sales force stated that “Medicare is the primary payer for NATRECOR. Based on various claims  
13 analyses, we estimate that Medicare is the payer for 75% - 80% of NATRECOR used in the  
14 inpatient and outpatient settings.”

15           92. Scios knew, even prior to the FDA’s August 2001 approval of Natrecor, that  
16 Medicare reimbursement was key to physicians’ decisions to use Natrecor in the outpatient  
17 setting.

18           93. Outpatient Reimbursement was listed under “Outpatient Marketing Overview” in  
19 a presentation at Scios’s July 19, 2002 Natrecor Outpatient Infusion Advisory Board meeting.  
20 Defendants’ March 2004 ADHERE Investigator Meeting likewise included a presentation  
21 on “Reimbursement Challenges and Opportunities in the Outpatient Management of Heart  
22 Failure.”

23           94. Defendants established a reimbursement team, headed by Christopher Panarites, to  
24 handle reimbursement issues and the Medicare Contractors’ local coverage determinations  
25 (“LCDs”) regarding Natrecor. The main objective of Mr. Panarites’s job was to maintain  
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unrestricted access to Natrecor in the outpatient setting.

1           95. Defendants contracted with a consultant, the Lash Group, to develop  
2 reimbursement guides that instructed health care professionals, in great detail, how to bill  
3 Medicare for outpatient infusions of Natrecor. While the guide provided limited information on  
4 billing for inpatient infusions, the vast majority of the guide, which was updated annually,  
5 covered billing in the hospital outpatient and physician office settings. The guide included, for  
6 example, detailed billing codes for the outpatient settings; instructions on how to complete claim  
7 forms and appeal denied claims; sample letters of medical necessity and appeals; and sample  
8 claim forms. The Defendants provided their Natrecor sales representatives with these  
9 reimbursement guides to distribute to Natrecor providers in the outpatient setting. The sales  
10 force also had laminated “Natrecor (nesiritide) Hospital Outpatient Reimbursement Quick  
11 Reference” and “Natrecor (nesiritide) Physician Office Reimbursement Quick Reference”  
12 handouts that showed health care professionals how to fill out a Medicare claim form for  
13 outpatient Natrecor infusions.

14           96. Defendants also provided a hotline number (staffed by the Lash Group) for health  
15 care professionals to call with Natrecor reimbursement questions. One of Scios’s written sales  
16 aids from February 2002 instructed sales representatives to refer physicians to the reimbursement  
17 hotline if they needed assistance with outpatient reimbursement, noting that “[t]o imply or  
18 recommend reimbursement for off-label product uses (home health, intermittent usage) is  
19 considered Medicare Fraud and is punished severely.”

20           97. At Scios’s expense, the Lash Group also assisted providers through the Medicare  
21 appeal process for denied claims for payment.

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**F. Increased Concerns About Natrecor**

1 98. In the years after the drug's launch, concerns about the drug's safety increased. In  
2 early 2005, two articles were published in prominent medical journals relating to concerns of the  
3 renal and mortality effects of the drug.<sup>1</sup>

4 99. In response, Scios and J&J convened a panel of ten prominent cardiologists to  
5 review the safety and efficacy of Natrecor and issue recommendations about further clinical  
6 studies of the drug. Dr. Eugene Braunwald of Harvard Medical School and Brigham and  
7 Women's Hospital was the panel's Chairman, and it was known as "the Braunwald Panel."  
8 Scios provided the panel with its clinical data and requested that it issue recommendations  
9 regarding the use of Natrecor.

10 100. On June 13, 2005, the Braunwald Panel issued its report to Defendants. The  
11 Panel recommended that Scios should proceed with its current clinical trial program, including  
12 FUSION II, but also recommended that Scios conduct an additional trial to assess the effect of  
13 Natrecor on survivability because the evidence was insufficient and inconclusive regarding the  
14 long-term safety of Natrecor.

15 101. With respect to the outpatient use of Natrecor, the panel further recommended  
16 that the use of Natrecor be limited strictly to patients presenting to the hospital with acutely  
17 decompensated congestive heart failure who have dyspnea at rest (*i.e.*, the type of patients  
18 involved in the VMAC study). The panel further found that, because of the insufficiency of the  
19 evidence, Natrecor should not be used for, *inter alia*, intermittent outpatient infusions or  
20 scheduled repetitive use.

21 102. Upon receiving the Braunwald Panel's report, Scios's Senior Vice President of  
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23 <sup>1</sup> See Sackner-Bernstein JD, *et al.*, Short-term Risk of Death After Treatment With  
24 Nesiritide for Decompensated Heart Failure: A Pooled Analysis of Randomized Controlled  
25 Trials, 293 JAMA 1900 (2005); Sackner-Bernstein JD, *et al.*, Risk of Worsening Renal Function  
26 With Nesiritide in Patients With Acutely Decompensated Heart Failure, 111 Circulation 1487  
(2005).

1 Medical Affairs, Darlene Horton, sent a Dear Healthcare Provider letter to healthcare providers  
2 (dated July 13, 2005) that admitted that FUSION I “was not powered to adequately assess the  
3 effectiveness or safety of serial infusions of Natrecor.” And, despite Scios representing  
4 otherwise in its marketing of Natrecor, Dr. Horton further stated that “[t]he size of the study, its  
5 design, and its findings provide an inadequate basis to recommend the routine use of intermittent,  
6 serial, or scheduled repetitive infusions of Natrecor.”

7 103. J&J orchestrated and controlled Scios’s response to the Panel’s criticism of  
8 Natrecor’s use in the outpatient setting and recommendation, *inter alia*, that the drug be used  
9 strictly in the inpatient setting. For example, the day the Braunwald Panel issued its report to  
10 Scios, J&J executives prepared a response to the Braunwald Panel’s recommendations.

11 104. On July 20, 2005, Dr. Braunwald sent a letter to Dr. Randall Kaye, Scios’s Vice  
12 President of Medical Affairs, stating that “members of the Natrecor Advisory Panel have been  
13 disturbed by what we consider to be significant omissions and lack of clarity in Scios’[s] efforts  
14 to comply with the Panel’s recommendations.” On July 28, 2005, J&J Worldwide Chairman and  
15 Division Chairman of the Board, Joe Scodari, instituted a communications team comprised  
16 mostly of J&J employees to oversee the response to the Braunwald Panel’s recommendations and  
17 all communications about Natrecor. Joe Scodari further ordered and participated in the team’s  
18 weekly conference calls, and instructed Scios’s President and CEO to “ensure a review on the  
19 *return* to promoting the on-label outpatient use (acute) is conducted” in Scios’s 2006 Strategic  
20 Plan (emphasis added).

21 **G. Noncoverage of the Off-Label Infusions by the Federal Health Care Programs**

22 **A. Medicare**

23 105. During the period from 2002 through 2007, serial, scheduled outpatient  
24 infusions of Natrecor were not eligible for payment by Medicare because this off-label use was  
25 neither “reasonable and necessary,” nor “medically accepted.” The off-label use was not  
26 supported by any major drug compendia, authoritative medical literature, and/or accepted

standards of practice. Indeed, the use was not supported by *any* credible study showing that the serial outpatient infusions were effective.

106. In 2004 and 2005, Scios, without any scientific support for the efficacy of the serial infusions, urged Medicare Contractors to cover serial outpatient infusions. For example, Scios routinely touted both the safety and alleged efficacy results of the limited FUSION I study to the Medicare Contractors in an effort to support coverage. Five Medicare Contractors (three in the New York region) issued Local Coverage Determinations (“LCDs”) allowing limited coverage for the outpatient serial use of Natrecor; two of these Medicare Contractors (outside of the New York region) reversed the LCDs after the issuance of the Braunwald Panel report. A number of other Medicare Contractors specifically denied coverage for this use.

107. On May 17, 2005, a group of Medicare Contractors’ Directors, including two who allowed the limited coverage, submitted a formal request to CMS for a National Coverage Determination (“NCD”) on Natrecor, noting that “the specific reason for our NCD request focuses on the ‘off-label’ use of intravenous Nesiritide,” *i.e.*, “intravenous Nesiritide in chronic CHF and maintenance therapy.” The request further noted that despite the fact FUSION I did not evaluate the clinical efficacy and long-term outcomes of Natrecor in the chronic CHF population, “the results of the FUSION I Trial have been extrapolated to expand the utilization of Nesiritide to chronic CHF and maintenance therapy in the outpatient setting.”

108. In response to this NCD request, CMS conducted an exhaustive review of the available research allegedly supporting the outpatient use of Natrecor for CHF and subsequently issued an NCD in March 2006, denying Medicare coverage for this off-label use. In the NCD, CMS explained:

Much of the reported research on the use of nesiritide for the intermittent treatment of chronic heart failure appears in abstracts and has not yet been published as full peer-reviewed journal articles. In general, abstracts do not provide sufficient information for us to evaluate the strength of the reported findings critically. As such, these abstracts do not constitute strong evidence and are given less weight than other evidence. The published articles [including the article published on FUSION I] supporting the off-label use of nesiritide for chronic heart failure are



1 hampered by methodological shortcomings, including small sample size and the  
2 lack of long term outcome data.

3 109. CMS concluded that “[t]hese weaknesses, along with the incidence of renal  
4 dysfunction, the increased incidence of mortality, and the findings and recommendations of the  
5 Nesiritide Advisory Panel create substantial concerns about the net health outcomes associated  
6 with the use of this drug for chronic heart failure. . . .CMS has determined that there is sufficient  
7 evidence to conclude that the use of nesiritide for the treatment of chronic heart failure is not  
8 reasonable and necessary for Medicare beneficiaries in any setting.”

9 110. Thus, CMS confirmed that the serial, scheduled off-label infusions of Natrecor  
10 do not meet the coverage requirements of Medicare.

#### 11 **B. TRICARE and FEHBP**

12 111. During the periods from 2002 through 2007, serial, scheduled Natrecor  
13 infusions also were not eligible for payment by TRICARE or FEHBP.

14 112. TRICARE did not cover this off-label use because the use was not proven  
15 medically necessary and safe and effective by medical literature, national organizations, or  
16 technology assessment bodies.

17 113. The FEHBP did not cover this off-label use because the use was not medically  
18 necessary.

### 19 **VII. FALSE CLAIMS**

#### 20 **A. Medicare**

21 114. During the period from 2002 through 2007, Defendants, through their unlawful  
22 conduct discussed in Paragraphs 1 through 113 above, caused over 4,000 health care providers to  
23 submit over 157,641 claims to Medicare for serial, outpatient Natrecor infusions and ancillary  
24 services. The claims are false because the off-label use is not covered.

25 115. In order to protect patient confidentiality, rather than listing the false claims in  
26 this Complaint, the United States has provided Defendants with a database listing each false  
27

1 claim for serial, outpatient infusions and ancillary services they caused to be submitted during the  
 2 period from 2002 through 2007.

3 116. By way of example, Defendants caused the following health care providers to  
 4 submit claims to Medicare for non-covered serial, outpatient infusions of Natrecor for which  
 5 Medicare paid the following total amounts:

6	South Bay Cardiovascular Associates	\$3,101,745
7	Desert Valley Medical Group	\$1,680,317
8	Heart Center of Sarasota	\$1,527,159
9	Amityville Heart Center	\$1,447,691
10	Louisiana Heart Center	\$1,162,866
11	The Heart Institute of Brownsville	\$1,159,214
12	Coast Cardiology Center	\$1,114,592
13	Harbor Medical Associates	\$1,077,776

14 117. One or more of the doctors and nurses at each of these health care providers were  
 15 affiliated with Defendants in that they were paid speakers or recipients of grant funds from  
 16 Defendants; participated in the ADHERE LM registry, the Centers of Excellence program, or the  
 17 FUSION II study; attended Scios-sponsored marketing programs such as ADHERE and  
 18 ADHERE LM meetings, CME seminars, and other meetings discussing the serial, outpatient use  
 19 of Natrecor; and/or started using Natrecor in the outpatient setting after receiving information  
 20 from Scios's sales force about the serial, outpatient use of Natrecor, how to set up an outpatient  
 21 clinic for such use, or how to obtain Medicare reimbursement for such use.

22 118. For instance, South Bay Cardiovascular Associates, Desert Valley Medical  
 23 Group, Louisiana Heart Center, The Heart Institute of Brownsville, and Harbor Medical  
 24 Associates all participated in Defendants' ADHERE LM registry and/or employed a doctor or  
 25 nurse who attended one or more ADHERE LM meetings. South Bay Cardiovascular Associates,  
 26 Desert Valley Medical Group, Heart Center of Sarasota, and Coast Cardiology Center all

1 employed a doctor or nurse whom Defendants paid to speak about Natrecor. For example, as  
2 explained above, Defendants paid the South Bay nurse over \$100,000 for the promotional  
3 speeches and training she provided on the outpatient use of Natrecor. This nurse in turn  
4 “share[d] her data and experience in the OP market” with “target audiences” that included the  
5 doctor and nurse at the Heart Center of Sarasota and numerous other health care providers. In  
6 2004, Defendants praised the sales representative responsible for marketing Natrecor to  
7 Amityville Heart Center for becoming a “true consultant” and “true business partner” with a  
8 doctor at this outpatient clinic.

9 **B. Damages to Other Federal Programs**

10 **(1) TRICARE**

11 119. During the period from 2002 through 2007, Defendants, through their unlawful  
12 conduct discussed in Paragraphs 1 through 113 above, caused health care providers to submit  
13 over 9,581 claims to TRICARE for serial, outpatient Natrecor infusions and ancillary services.  
14 These claims are false because they were not covered. In order to protect patient confidentiality,  
15 rather than listing the false claims in this Complaint, the United States has provided Defendants  
16 with a spreadsheet listing each false claim for serial, outpatient infusions they caused to be  
17 submitted to TRICARE during the period from 2002 through 2007.

18 **(2) FEHBP**

19 120. During the period from 2002 through 2007, Defendants, through their unlawful  
20 conduct discussed in Paragraphs 1 through 113 above, caused health care providers to submit  
21 over 3,692 claims to FEHBP for serial, outpatient Natrecor infusions and ancillary services. At  
22 least 2,172 claims were submitted to Blue Cross and Blue Shield; at least 512 claims were  
23 submitted to Government Employees Hospital Association, Inc.; and at least 1,008 false claims  
24 were submitted to the Mail Handlers Benefit Plan. These claims are false because they were not  
25 covered. In order to protect patient confidentiality, rather than listing the false claims in this  
26 Complaint, the United States has provided Defendants with a spreadsheet listing each false claim

1 for serial, outpatient infusions they caused to be submitted to FEHBP during the period from  
2 2002 through 2007.

3 **FIRST CAUSE OF ACTION**

4 (False Claims Act: Presentation of False Claims)

5 (31 U.S.C. § 3729(a)(1) (2008))

6 121. The United States repeats and realleges the preceding paragraphs as if fully set  
7 forth herein.

8 122. Scios and J&J knowingly caused to be presented false or fraudulent claims for  
9 payment or approval to the United States for the scheduled, serial use of Natrecor that were not  
10 covered by the federal health care programs.

11 123. By virtue of the false or fraudulent claims that Scios and J&J caused to be made,  
12 the United States suffered damages and therefore is entitled to treble damages under the False  
13 Claims Act, to be determined at trial, plus civil penalties of not less than \$5,500 and up to  
14 \$11,000 for each violation.

15 **SECOND CAUSE OF ACTION**

16 (Unjust Enrichment)

17 124. The United States repeats and realleges the preceding paragraphs as if fully set  
18 forth herein.

19 125. As a consequence of the acts set forth above, Scios and J&J were unjustly  
20 enriched at the expense of the United States in an amount to be determined which, under the  
21 circumstances, in equity and good conscience, should be returned to the United States.

22 126. The United States claims the recovery of all monies by which Scios and J&J  
23 have been unjustly enriched.

24 //

25 //

26 //

**PRAYER FOR RELIEF**

WHEREFORE, the United States demands and prays that judgment be entered in its favor against Scios and J&J as follows:

1. On the First Count under the False Claims Act, for the amount of the United States' damages, trebled as required by law, and such civil penalties as are required by law, together with all such further relief as may be just and proper.

2. On the Second Count for unjust enrichment, for the amounts by which Scios and J&J were unjustly enriched, plus interest, costs, and expenses, and for all such further relief as may be just and proper.

**DEMAND FOR JURY TRIAL**

Pursuant to Rule 38 of the Federal Rules of Civil Procedure, the United States demands a jury trial in this case.

Respectfully submitted,

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Assistant Attorney General

JOSEPH P. RUSSONIELLO  
United States Attorney

Dated: June 11, 2009

By: /s/  
SARA WINSLOW  
JULIE A. ARBUCKLE  
Assistant United States Attorneys

Dated: June 11, 2009

By: /s/  
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