

Faith, heritage, even sexual orientation can play an important role in hospital care

I By Gina Gotsill

Sharnjit Grewal, MD, a hospitalist at Mercy Medical Group in Sacramento, Calif., is familiar with what he calls "the double-take." A Sikh born and raised in California, Dr. Grewal wears a traditional turban and full beard. When he walks into the room, some patient's simply don't know what to make of him, he admits.

"It's confusing—even to my Hindu and Sikh patients," Dr. Grewal says. "They sometimes say, 'You talk like an American, you're obviously from the West, but you follow a faith from the East. The line between religion and culture is obscured."

Although the medical community stresses cultural awareness and sensitivity, Dr. Grewal's experience highlights the fine line between religion and culture, and the barriers standing stand in the way of cultural awareness.

Today, hospitals experience shifting patient demographics and a growing number of languages and dialects observed in the United States today. Between 1990-2000, the foreign-born population in the U.S. increased by 57%, compared with a 9.3% increase for the native population and a 13% increase for the total U.S. population, according to the U.S. Census Bureau.

Break Down Walls

When hospitalists and patients share a culture or language, the result can be

extremely positive. In fact, the Joint Commission report states some hospitals in the United States are working to increase racial and ethnic similarities between staff and patient populations.

Joseph Li, MD, a hospitalist at Beth Israel Deaconess Medical Center in Boston, frequently works with Cantonese-speaking patients referred to the hospital by the healthcare clinic in Boston's Chinatown section. When he greets patients in their native tongue, Dr. Li says he can feel their comfort level rise; even though he speaks what he calls "5-year-old Cantonese."

"There is an improved therapeutic relationship when doctors and patients share a language, culture, or belief," Dr.

Li says. "There's a level of comfort that you are going to be understood and nothing will be lost in translation."

A patient's culture may drive decisions contradictory to traditional Western medicine, and hospitalists need to make the time to listen and respond. Recently. Dr. Grewal treated a dying, elderly Asian patient whose family insisted on administering an unknown, water-like fluid to cure the loved one. First, the family requested giving the fluid to the patient by mouth. Dr. Grewal denied the request, and told them the water would end up in the patient's lungs because he was comatose and could not swallow. Then, the family asked if they could add it to the intra-

Continued on page 34

DIFFERENCES COME IN ALL SHAPES,

The healthcare industry is addressing cultural competency and encouraging practices and policies aimed at increasing understanding. Sensitivity regarding patients' sexual orientation is a component of cultural competency. Often, gay, lesbian, bisexual, and transgender individuals avoid "even routine medical visits after negative healthcare experiences due to providers' lack of cultural competency," according to the Gay & Lesbian Medical Association's 2008 Healthcare Equality Index.

"One of the challenges of promoting cultural competence is that it is often believed to be aimed solely at individuals from minority backgrounds who may have unique beliefs," says Amy Wilson-Stronks, Project Director for Health Disparities with the Joint Commission and principal investigator of the 2008 Joint Commission report One Size Does Not Fit All: Meeting the Health Care Needs of a Diverse Population. "The point is that we are all unique and cultural competency is important for everyone-not just 'minority' populations."

Language barriers are an everyday occurrence for most hospitalists. The limited English proficient population grew from 14 million to 21.3 million between 1990 and 2000, according to U.S. Census figures.

The healthcare system also is dealing with multilingual populations in cities where language has not been a challenge in the past, according Cynthia Roat, MPH, a consultant and trainer on language access in healthcare. For example, limited English proficient populations in Georgia and North Carolina each grew by more than 240 percent from 1990-2000.

More hospitals are turning to professional healthcare interpreters for assistance with medical interviews and communications, Roat says. The most widely interpreted language is Spanish, she says, but more than 300 languages are spoken in the United States. Interpreters Cantonese, Mandarin, Vietnamese, Korean, and many other languages, are in high demand, she says.

Location makes a difference: Hmong is a high-demand language in Minneapolis and California's Central Valley, while Haitian Creole is in demand in Florida and Boston, she says. As new refugee groups enter the country, new languages are added to the list.—GG

venous line. Again, Dr. Grewal denied the request, and told them water in an unbuffered solution could be harmful to red blood cells.

"It was frustrating for them," Dr. Grewal says. "I told them, 'It's not that I don't believe the water will cure him. Maybe it will or maybe it won't. But from a medical standpoint, I know there will be complications and I just cannot do this."

Eventually, the family asked if a tube could be inserted into the patient's stomach. When the request was denied, the family decided on comfort care for their loved one. Eventually, he passed away. The family, Dr. Grewal says, was grateful for the hospital staff's care and effort, even

though their requests to administer the fluid were denied.

Difficult Cases

Firm cultural beliefs may lead patients to resist treatment. Manish Patel, MD, a hospitalist and assistant professor with the division of General Internal Medicine at the University of Medicine and Dentistry of New Jersey-Robert Wood Johnson Medical School in New Brunswick, N.J., recalls working with an elderly member of the Indian community who refused to be transferred to a rehabilitation facility. Dr. Patel took time to speak to the patient and learned she came from a tradition that encouraged younger generations to care

for the elderly. The patient interpreted her transfer to a rehabilitation facility as a sign her family was abandoning her, Dr. Patel

"Sometimes you have to probe to learn more," Dr. Patel says. "Once we understood her fears, we were able to convey to her that this was a temporary situation and that her family could not provide her with the services that she needed at that point in time."

Dr. Patel also interacts with Hispanic and Indian patients-many of whom revere doctors and defer to them for treatment decisions. In these situations, he uses the same approach as he does with patients who question his treatment rec-

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ommendations.

"The patient may defer to you, but it's important to empower the patient and give them all the information they need to make major choices in their healthcare."

Information Pipeline

Hospitalists may prefer to be upfront about a patient's condition and treatment, however, cultural norms sometimes dictate who receives information—and how much. For example, Scott Enderby, DO, a hospitalist at Alta Bates Summit Medical Center in Berkeley, Calif., says some Asian families prefer medical staff deliver bad news about the patient to them first. The family then decides what they will tell the patient, he says.

These situations create challenges and opportunities, Enderby says. Medical staff tries to establish a patient-centric care system, so it is important to continue appropriate communication with the patient. It also is important for healthcare providers to avoid putting the family in the middle and marginalizing the patient, he says. Healthcare teams can become frustrated when family members are at odds about decisions and options, and the patient is not involved at the family's request, he says. In these cases, Dr. Enderby sees an opportunity to further engage the family, and, therefore, the patient.

"Often, when there are cultural and language barriers, a disengaged family can make caring for the patient very challenging," Dr. Enderby says. "Having the family involved can help everyone feel more aligned with a treatment plan or strategy."

For Alpesh Amin, MD, associate professor of medicine and vice chair for Clinical Affairs and Quality in the Department of Medicine at the University of California Irvine School of Medicine, being aware of a patient's cultural values is critical to quality care. As executive director of the hospitalist program at the UCI Medical Center in Orange, Calif., Dr. Amin helped develop curriculum to train students on how to collect "values history"

from patients, which includes asking questions about religion and culture. Students document their own values history, and then ask the same questions of a patient. Students discuss patient care and the importance of these histories during small group sessions.

"Knowing a patient's cultural information is just as important as knowing their sexual history or drug history," Dr. Amin says. "It's another piece of information that helps you get to know them as a whole. Their overall care is more comprehensive, if you have this knowledge." **TH**

Gina Gotsill is a journalist based in California.



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Venofer® (fron sucrose injection, USP) is indicated in the treatment of iron deficiency anemia in the following patients:

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 non-dialysis dependent-chronic kidney disease (NDD-CKD) patients not receiving an erythropoietin

CONTRAINDICATIONS

The use of Venoter® is contraindicated in patients with evidence of iron overload, in patients with known hypersensitivity to Venoter® or any of its inactive components, and in natients with anemia not caused by iron deficiency

Hypersensitivity reactions have been reported with injectable iron products. See PRECAUTIONS and ADVERSE REACTIONS.

WARNINGS PRECAUTIONS

General: Because body iron excretion is limited and excess tissue iron can be hazardous, caution should be exercised to withhold iron administration in the presence of exidence of lissue from overbaid. Patients receiving Venotien" require periodic monitoring of hematologic and hematologic parameters (hemoglobin, hematocit, sentim ferrith and harsferrin saturation), from therapy should be withheld in patients with evidence of non-overbaid. Transferrin saturation values increase equity after VIII. administration of from sucrose; thus, servin for values may be reliably obtained 48 hours after 10 dosing. See **DOSAGE AND ADMINISTRATION** and

OVENDOSAGE.

Hypersensitivity Reactions: Serious hypersensitivity reactions have been reported in patients receiving Venotier*. No life-threatening hypersensitivity reactions were observed in the clinical studies. Several cases of mild or moderate hypersensitivity reactions were observed in these studies. There are post-marketing spontaneous reports of life-threatening hypersensitivity reactions required frequently in the procession in patients received by refuse. See AUMISES REACTIONS.

Hypotension: Hypotension has been reported frequently in hemotallysis dependent chronic liddrey disease patients receiving interneous inc. Hypotension also has been reported in rend-algos dependent and reportment allosis dependent consideration relativistic receiving interneous ion. Hypotension following administration of Venotier* may be related to rate of administration and total dose administered. Caution should be laten to administer Venotier* according to ecommended guidelines. See **DOSAGE AND ADMINISTRATION.**

Carcinogenesis, Mutagenesis, and Impairment of Fertility:

No long-term studies in a minus has been performed to evaluate the carcinogenic potential of Venoter®.

Venoter® was not genotoxic in the Ames test, the mouse lymphorna cell (L51781/TK-/-) forward mutation test, the human lymphocyte chromosome aberration test, or the mouse micronucleus test

Venofer® at IV doses up to 15 mg iron/kg/day (about 1.2 times the recommended maximum human dose on a body surface area basis) was found to have no effect

un etniny and reproductive performance of male and female rats.

Pregnancy Category B: Teathory studies have been performed in rats at IV doses up to 13 mg iron kg/day (about 0.5 times the recommended maximum human dose no abody studies are bases) and rabbits at IV doses up to 13 mg iron kg/day (about 1 times the recommended maximum human dose on a body surface are bases) and these real based in a time resealed no evidence of impaired fertility or form to the fetus due to Verorde*. There are, however, no adequate and well controlled studies in pregnant women. Because arimal reproduction studies are not always predictive of human response, this drug should be used during pregnancy only if clearly resided.

Nursing Mothers: Venofer® is excreted in milk of rats. It is not known whether this drug is excreted in human milk. Because many drugs are excreted in human milk,

nursing momens: verticer's excreta in mink calls. It is not workneither this ong is excrete in numal mink, excalse many ongst are excrete in numal mink, caution should be excreted when Nemferth's administered to a nursing woman.

Pediatric Use: Safety and effectiveness of Venoter" in pediatric patients have not been established. In a country where Venoter's available for use in children, at a single sits, the premature infants weight less than 1.250 gli developed necotioning entercoolitis and two of the five expired during or following a period when they received Hendre's, several other medications and epithopolitism. Necotioning entercoolitis may be a complication of prematurity in very low birth weight infants. No causal relationship to Venotier" or any other drugs could be established.

cascal relationship in vision or all you're uitigs could be eatbolished. Geraffelin User. The five pixel a rinical trials did not include sufficient numbers of subjects aged 65 years and older to determine whether they respond differently from younger subjects. No overall differences in settly were observed between these subjects and younger subjects, and other respond format experience has not identified differences in responses between the elderly and younger patients, but greater sensitivity of some offer individuals cannot be ruled out.

ADVERSE REACTIONS Adverse Events observed in all treated populations

Number Cents to detail and treated productions
The frequency of adverse events associated with the use of Veroder® has been documented in six randomized clinical trials involving 231 hemodalysis dependent, 139 non-dalysis dependent and 75 peritoneal dialysis dependent-CVD patients; and in two post-marketing safety studies involving 1,051 hemodalysis dependent-CVD patients for a total of 1,496 patients. In addition, over 2,000 patients treated with Veroder® have been reported in the medical fiterature.

Treatment-emergent adverse events reported by ≥ 2% of treated patients Treatment-emergent adverse events reported in $\geq 2\%$ of patients by dose

with NDD-CKD in the randomized clinical trials, whether or not related to Venofer® administration, are listed by indication in Table 2. Table 2. Most Common Treatment-Emergent Adverse Events Reported in ≥ 2% of Patients with NDD-CKD by Clinical Indication (Multidose Safety Population)

		D-CKD	
Adverse Events	Venofer®	Oral Iron	
(Preferred Term)	(N=139)	(N=139)	
	%	%	
Subjects with any adverse event	76.3	73.4	
Ear and Labyrinth Disorders			
Ear Pain	2.2	0.7	
Eye Disorders			
Conjunctivitis	0	0	
Gastrointestinal Disorders			
Abdominal pain NOS*	1.4	2.9	
Constipation	4.3	12.9	
Diarrhea NOS	7.2	10.1	
Dysgeusia	7.9	0	
Nausea	8.6	12.2	
Vomiting NOS	5.0	8.6	
General Disorders and			
Administration Site Conditions			
Asthenia	0.7	2.2	
Chest pain	1.4	0	
Edema NOS	6.5	6.5	
Fatigue	3.6	5.8	
Feeling abnormal	0	0	
Infusion site burning	3.6	0	
Injection site extravasation	2.2	0	
Injection site pain	2.2	0	
Peripheral edema	7.2	5.0	
Pyrexia	0.7	0.7	
Infections and Infestations			
Catheter site infection	0	0	
Nasopharyngitis	0.7	2.2	
Peritoneal infection	0	0	
Sinusitis NOS	0.7	0.7	
Upper respiratory tract infection NOS	0.7	1.4	
Urinary tract infection NOS	0.7	5.0	
Injury, Poisoning and Procedural			
Complications			
Graft complication	1.4	0	
Investigations			
Cardiac murmur NOS	2.2	2.2	
Fecal occult blood positive	1.4	3.6	
Metabolism and Nutrition Disorders			
Fluid overload	1.4	0.7	
Gout	2.9	1.4	
Hyperglycemia NOS	2.9	0	
Hypoglycemia NOS	0.7	0.7	
Musculoskeletal and Connective	<u> </u>		
Tissue Disorders			
Arthrolaia	1.4	22	

Arthritis NOS

Table 3. Most Common Treatment-Emergent Adverse Events Reported in ≥ 2% of Patients with NDD-CKD by Dose Group (Multidose Safety Population)

	NDD-CKD		
Adverse Events	200 mg	500 mg	
(Preferred Term)	(N=109)	(N=30)	
	%	%	
Subjects with any adverse event	75.2	80.0	
Ear and Labyrinth Disorders			
Ear Pain	0.9	6.7	
Eye Disorders			
Conjunctivitis	0	0	
Gastrointestinal Disorders			
Abdominal pain NOS*	1.8	0	
Constipation	3.7	6.7	
Diarrhea NOS	6.4	10.0	
Dysgeusia	9.2	3.3	
Nausea	9.2	6.7	
Vomiting NOS	5.5	3.3	
General Disorders and			
Administration Site Conditions			
Asthenia	0.9	0	
Chest pain	0.9	3.3	
Edema NOS	7.3	3.3	
Fatigue	4.6	0	
Feeling abnormal	0	0	
Infusion site burning	3.7	3.3	
Injection site pain	2.8	0	
Peripheral edema	5.5	13.3	
Pyrexia	0.9	0	
Infections and Infestations			
Catheter site infection	0	0	
Nasopharyngitis	0.9	0	
Peritoneal infection	0	0	
Sinusitis NOS	0	3.3	
Upper respiratory tract infection NOS	0.9	0	
Injury, Poisoning and Procedural			
Complications	4.0		
Graft complication	1.8	0	
Investigations			
Cardiac murmur NOS	2.8	0	
Fecal occult blood positive	1.8	0	
Metabolism and Nutrition Disorders			
Fluid overload	1.8	0	
Gout	1.8	6.7	
Hyperglycemia NOS	3.7	0	
Hypoglycemia NOS	0.9	0	
Musculoskeletal and Connective			
Tissue Disorders			
Arthralgia	0.9	3.3	
Back pain	1.8	3.3	
Muscle cramp	0	3.3	
Myalgia	2.8	6.7	

(Table 0 southwest)

	NDD-	NDD-CKD		
Adverse Events	Venofer®	Oral Iron		
(Preferred Term)	(N=139)	(N=139)		
	%	%		
Musculoskeletal and Connective				
Tissue Disorders				
Back pain	2.2	3.6		
Muscle cramp	0.7	0.7		
Myalgia	3.6	0		
Pain in extremity	4.3	0		
Nervous System Disorders				
Dizziness	6.5	1.4		
Headache	2.9	0.7		
Hypoesthesia	0.7	0.7		
Respiratory, Thoracic and Mediastinal				
Disorders				
Cough	2.2	0.7		
Dyspnea	3.6	0.7		
Dyspnea exacerbated	2.2	0.7		
Nasal congestion	1.4	2.2		
Pharyngitis	0	0		
Rhinitis allergic NOS	0.7	2.2		
Skin and Subcutaneous Tissue Disorders				
Pruritus	2.2	4.3		
Rash NOS	1.4	2.2		
Vascular Disorders				
Hypertension NOS	6.5	4.3		
Hypotension NOS	2.2	0.7		

(Table 3 continued)			
	NDD-CKD		
Adverse Events	200 mg		
(Preferred Term)	(N=109)	(N=30)	
	%	%	
Musculoskeletal and Connective			
Tissue Disorders			
Pain in extremity	4.6	3.3	
Nervous System Disorders			
Dizziness	5.5	10.0	
Headache	3.7	0	
Respiratory, Thoracic and Mediastinal			
Disorders			
Cough	0.9	6.7	
Dyspnea	1.8	10.0	
Pharyngitis	0	0	
Skin and Subcutaneous Tissue Disorders			
Pruritus	0.9	6.7	
Vascular Disorders			
Hypertension NOS	6.4	6.7	
Hypotension NOS	0.9	6.7	

*NOS=Not otherwise specified

*NOS=Not otherwise specified

Drug related adverse events reported by ≥ 2% of Venofer® (iron sucrose injection, USP) treated patients are shown by dose group in Table 4.

Table 4. Most Common Adverse Events Related to Study Drug Reported in ≥ 2% of Patients with NDD-CKD by Dose Group (Multidose Safety Population)

	NDD-	CKD	
Adverse Events	200 mg	500 mg	
(Preferred Term)	(N=109)	(N=30)	
	%	%	
Subjects with any adverse event	23.9	20.0	
Gastrointestinal Disorders			
Diarrhea NOS*	0	0	
Dysgeusia	7.3	3.3	
Nausea	2.8	0	
General Disorders and			
Administration Site Conditions			
Infusion site burning	3.7	0	
Injection site pain	2.8	0	
Peripheral edema	1.8	6.7	
Nervous System Disorders			
Dizziness	2.8	6.7	
Headache	2.8	0	
Vascular Disorders			
Hypotension NOS	0	6.7	

*NOS=Not otherwise specified

Adverse Events Observed in Non-Dialysis Dependent Chronic Kidney Disease (NDD-CKD) Patients

In the pivotal study of 182 NDO-CXO patients, 91 were exposed to Venoter®. Adverse events, whether or not related to Venoter®, reported by ≥ 5% of the Venoter® exposed patients were as follows: dispensing 7,7%), ceripheral ederma (7,7%), diarrhea (5.5%), constitution (5.5%), naussa (5.5%), dizziness (5.5%), and equoes uparties were as unums: organises (17.7m), per junel arties (17.7m), claim at sortines (20.7m), consulant or ground (19.7m), includes (20.7m), claim at sortines (20.7m), consulant or ground (19.7m), includes (20.7m), consulant or ground (19.7m), consulant or ground (19.7m), consulant or ground (19.7m), consulant or ground (19.7m), consulant organises (19. (hypotension, dyspnea and nausea)

Hypersensitivity Reactions: See WARNINGS and PRECAUTIONS.

in clinical studies, several patients experienced hypersensitivity reactions presenting with wheezing, dyspnea, hypotension, rashes, or pruritus. Serious episodes of hypotension occurred in 2 patients treated with Venoter⁶ at a dose of 500 mg.

The post-marketing spontaneous reporting system includes reports of patients who experienced serious or life-threatening reactions (anaphylactic shock, loss of consciousness or collapse, bronchospasm with dyspnea, or convulsion) associated with Venoter® administration.

OVERDOSAGE

Desages of Vender^o (ron sucrose rijection, USP) in excess of iron needs may lead to accumulation of iron in storage sites leading to hemosidenosis. Periodic monitoring of iron parameters such as serum ferritin and transferrin situration may assist in recogniting iron accumulation. Vender distoud not be administered to patients with iron overload and should be dissortinus where source internal residents of account established judicialines [1]. Particular causion should be elected of avoid iron overload where amenta unresponsive to treatment has been incorrectly diagnosed as iron deficiency aremin.

Symptoms associated with overdosage or infusing Venofer® too rapidly included hypotension, dyspnea, headache, vomiting, nausea, dizziness, joint aches, paresthesia, abdominal and muscle pain, edema, and cardiovascular collapse. Most symptoms have been successfully treated with M fluids, hydrocortisone, and/or antihistamines. Influsing the solution as recommended or at a slower rate may also alleviate symptoms.

Preclinical Data:

Single IV doses of Venofer^a at 150 mg irron/ng in mice (about 3 times the recommended maximum human dose on a body surface area basis) and 100 mg iron/ng in rats (about 8 times the recommended maximum human dose on a body surface area basis) were lethal.

The symptoms of acute toxicity were sedation, hypoactivity, pale eyes, and bleeding in the gastrointestinal tract and lungs

DOSÁGE AND ADMINISTRATION

The dosage of Venofer® is expressed in terms of mg of elemental iron. Each mL contains 20 mg of elemental iron.

Most CVD patients will require a minimum cumulative repletion dose of 1,000 mg of elemental iron, administered over sequential sessions, to achieve a favorable hemoglobin response and to replenish iron stores (ferritin, TSAT).

Administration: Venofer® must only be administered intravenously either by slow injection or by infusion.

Recommended Adult Dosage:

Non-Dialvsis Dependent-Chronic Kidnev Disease Patients (NDD-CKD): Venofer® is administered as a total cumulative dose of 1,000 mg over a 14 day period as a 200 Non-Hargiss Department-Arronic Numby Lives a Paratins (NUM-Live Team is administed as a trace function existed in July 1997 and 1 HOW SUPPLIED

Vender^{at} is supplied in 5 m.l. and 10 m.l. single dose vials. Each 5 m.l. vial contains 100 mg elemental iron (20 mg/ml.) and each 10 m.l. vial contains 200 mg elemental iron (20 mg/ml.) and each 10 m.l. vial contains con greaterather. Store in original carton at 25°C (77°F), Broursons permitted to 15°-30°C (59°-86°F), [See the USP controlled ground temperature]. Do not freeze. NDC-0517-2340-01 100 mg/5 mL Single Dose Vial Individually Boxed

NDC-0517-2340-10 100 mg/5 mL Single Dose Vial Packages of 10 NDC-0517-2340-25 100 mg/5 mL Single Dose Vial Packages of 25 NDC-0517-2310-10 200 mg/10 mL Single Dose Vial Packages of 10

REFERENCE: [1] National Kidney Foundation. K/DOQI Clinical Practice Guidelines for Anemia of Chronic Kidney Disease, 2000. Am J Kidney Dis 37: S182-S238. (suppl 1) 2001.



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