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"Showing the Way"

A VIDEOTAPE ABOUT ANGIOGRAPHY FOR PATIENTS

by

Stela Mandel

B.A., State University of New York Binghamton 1973

THESIS

Submitted in partial satisfaction of the requirements for the degree of

MASTER OF ARTS

in

MEDICAL AND BIOLOGICAL ILLUSTRATION

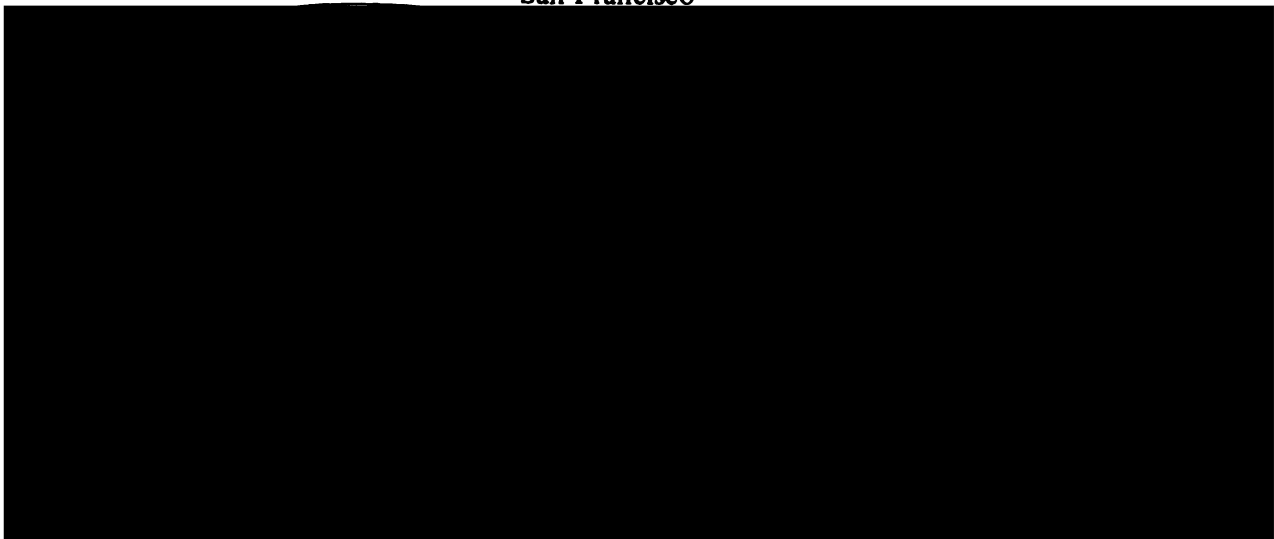
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## INTRODUCTION

Today, due to the phenomenal growth of medical knowledge and applied technology, physicians are making great strides in both diagnosis and treatment of illness. But the informational needs of the patient, who is after all the beneficiary of such medical progress, are often overlooked. Without a sufficient understanding of the medical procedures he or she is submitting to, the patient is left in a bewildered state. This not only infringes on the patient's right and need to know, but also may hinder, rather than assist in, the healing process, for which the individual patient is ultimately responsible. One of the more obvious indications of this problem is the increasing number of medical malpractice suits being filed.

Such a gap in understanding exists when a person has been advised by his or her physician to undergo an invasive diagnostic procedure. Current medical practices do not satisfy the patient's need to comprehend either the procedure itself, or its ramifications, such as the long and short term side effects that may result.

My own involvement with this problem is rooted in an ordeal my family went through in 1973, when my sister, then a psychiatric social worker, agreed to enter the hospital for diagnosis of severe headaches. As so many of us do when we are sick, she trustingly surrendered control to the physician and underwent a series of diagnostic proced-



ures, including x-rays, blood and spinal fluid analyses, and finally, angiography.

But her angiography study could not be completed. The first injection of contrast dye brought on a stroke, which left her aphasic. Having agreed to the procedure without an adequate understanding of it, and now confused and unable to communicate intelligently, she discovered it was too late for explanation. Her physician tried, ineffectively, to explain that her symptoms were most likely temporary. Finally, after 17 long hours, she recovered her speech and ironically proceeded to reassure the young resident who had performed the procedure that she was fine and would not file a malpractice suit. Besides piquing my own interest in the procedure, this experience made my sister eager to contribute her own insight into the development of this thesis/project.

My thesis defines the problem of informed consent in terms of a patient's needs, a point of view which proved useful also in determining an approach for meeting these needs. After taking into account the importance of the physician-patient relationship and the inherent educational potential of use of a motion medium (specifically videotape), I have suggested how a videotape program can enhance the interchange of information between physician and patient. And, by definition, an adequate informed consent will result, as well.

A script for the proposed videotape program is an





integral part of this thesis/project which will be submitted to various foundations in an attempt to obtain the funding necessary to produce the proposed videotape program.

## PROBLEMS AND NEEDS

Informed Consent: Legal Problem for Physicians

Some physicians have united openly in condemning informed consent as one of the more "heinous legal doctrines that have been imposed on the medical profession in recent times." They allege that patients "cannot comprehend the information," and more importantly to them, that "patients do not remember." A recent study of a patient's capacity to recollect the details of informed consent supports their claims. In this study preoperative discussions lasting at least 23 minutes were recorded. In subsequent interviews investigators found that patients forgot, fabricated, or even denied having engaged in preoperative conversations with their physicians, in which they gave "informed consent." In fact, these patients recalled only 20% of what had been discussed.<sup>1</sup> These results suggested to the investigators a need to reevaluate procedures and techniques used to provide patients with the information required for proper informed consent.

Before we attempt to design useful techniques to assist physicians in securing "informed consent" from patients for procedures involved in medical diagnosis and treatment, we must first reevaluate the fundamental purposes of the concept of informed consent. Informed consent is one facet of patient rights, which form part of the growing national focus on consumer rights in general. The legal



basis for informed consent is not merely what the physician chooses to tell; it is that information which a particular patient needs to know in order to make an enlightened and knowledgeable decision.<sup>2</sup> Indeed, patients' memories and cognitive capacities may not be the basic problem. As long as informed consent is considered to be a medical-legal problem rather than a guarantee of the patient's right to understand, physicians will continue to struggle, as they perceive themselves to be in a dilemma of misrepresentation and confusion.

#### Patients' Needs

The influence of technology on medicine has given rise to elaborate diagnostic procedures which can involve huge expense and considerable risk. Before deciding whether to consent to such a procedure, a patient must be able to evaluate the benefits and hazards intelligently. When there is agreement between the patient and the physician, the patient must then be prepared for the procedure itself. Such procedures can be uncomfortable, frightening and time consuming.

Because information concerning a medical procedure and attendant risk is so alien to those unschooled in medical science, a physician's oral explanation to a patient may no longer be adequate. At best, a physician can attempt to simplify the words and concepts used in such an explanation. Using the physician's time, however, to



provide this required basic information limits the time available for the more important medical function of responding to questions specific to a particular patient's needs. Additionally, by making the physician responsible for explaining hazards, the current system restricts the physician to a role that interferes with supporting an already stressful patient.<sup>3</sup> If a patient could be informed of the basic facts before seeing the physician, then a more relevant and efficient discussion could be conducted at the time of the physician-patient interview.

#### Problems and Needs in the Angiographic Procedure

Cerebral angiography is an invasive diagnostic procedure that involves risk of serious complications for the patient. In an angiographic study, a conscious patient undergoes a series of procedures performed by a team of specialists using highly complex equipment. The study may last from one to three hours. The patient is kept conscious for two reasons: first, the use of general anesthesia increases risk associated with the procedure; second, and of equal importance, an alert and cooperative patient can assist the physician in monitoring his or her neurological status and tolerance during the study.

Angiography is performed by making a small puncture in the patient's groin to introduce a catheter into the femoral artery. Under fluoroscopic view, the catheter is guided carefully into the artery to be studied. Contrast





material is then injected, and its flow through the arteries of the brain is recorded on a series of x-ray films.

After the physician has recommended an angiogram to help make a diagnosis, the patient, in order to give consent, must be able to evaluate the benefits and risks involved. Although there are few alternative methods of studying blood flow in the brain, physicians are cautious about requesting that a patient undergo an angiogram. In fact, the technique is used only after consultation with other physicians and after determination that expected benefits outweigh possible risks. Having consented, a patient must also be emotionally prepared for the complex environment and physical demands of the actual diagnostic procedure. Thus, a well-informed patient is better able to assist the physician in monitoring physiologic responses during the study.



## PURPOSE OF THE VIDEOTAPE PROGRAM

The rationale for use of the proposed videotape program is that more effective communication between physician and patient will result in arriving at informed consent. The program would prepare the patient by providing understandable information and by encouraging the patient to discuss his or her reaction to such information with the physician.

After the patient has been advised to undergo an angiography study, he or she would view the proposed videotape program which would provide a baseline of information about the procedure and would help foster an atmosphere that promotes open discussion. The patient would then be able to talk to the physician about matters mentioned in the program as well as specifics relating to his or her own case.

### The Versatility of a Videotape Program

Patient Confidence. A videotape program can be used to develop patient/physician rapport and to promote an attitude of reassurance while delivering information that might otherwise be frightening. (Further discussion of the methods for achieving this goal follows in "Script Analysis" page 12)

Efficiency and Use of Medical Resources. Used as a basis for effective discussion between patient and physician, an audiovisual presentation such as the proposed videotape can save hours of physician time that would otherwise be



spent in repetitious explanation. Additionally, the videotape soundtrack can be dubbed in different languages to instruct patients not fluent in English.

Convenience. A videotape program can be produced in an easy-to-use cassette form. Because a videocassette playback unit is compact, it can be easily transported on a small cart and may be brought into the room of a bedridden patient to be played at the convenience of both patients and their families.

Documentation. The standardization, through use of videotape, of what a patient sees assures that nothing of significance is omitted. This baseline of information needed for informed consent can be reinforced by the subsequent physician-patient interview, wherein the physician can answer specific questions relevant to the individual patient. Further, by entering the date of viewing the videotape program into the patient's record, the physician has concrete evidence of what the patient has been told.

### Information that the Patient Needs

There are two categories of information that the patient needs:

1. The basic facts, which include the purpose of the procedure, the way in which it will be performed, the alternatives (if there are any), and the risks that could cause serious bodily harm. These comprise the information the patient must evaluate before giving



consent.

2. The supportive information, which will prepare the patient for the procedure by reducing stress. Patients under stress experience more pain during hospitalization and show less improvement after discharge than more relaxed patients.<sup>4</sup> In addition, the less anxious patient will be better able to assist the physician in monitoring physiological responses to the study.

Researchers have found that providing information by which patients can form accurate expectations of a stressful procedure and their reaction to it, reduces the emotional trauma of the real-life experience. In one study, patients about to have an endoscopic examination (insertion of a tube through the mouth into the gastrointestinal tract) were shown a videotape in which a patient undergoing the procedure was nervous at first and then became progressively calmer. Patients who viewed this videotape showed a significant decrease in anxiety (e.g., lowered heart rate and less tranquilizer required) during their own studies as compared to those of a control group. This decrease in anxiety was also demonstrated by hospital staff observations and by reports of the patients themselves.

Those patients who require angiograms are diverse in ethnic makeup, education and age, as well as in range of symptoms requiring angiographic study. Such factors may determine a person's view of illness, as well as his or her methods of coping with stressful circumstances. Indeed,





health professionals are becoming increasingly aware of the need to recognize cultural orientation as it is expressed in a patient's coping style. "We need to develop ways to be flexible...to accommodate different cultural or minority group needs and goals."<sup>6</sup> A goal of this project is to promote an attitude of confidence, particularly among the elderly and ethnic minorities, in expressing needs based on their particular methods of coping.

Whatever their methods of coping may be, patients share similar basic needs, concerns and aspirations. They must learn to deal with the potentially frightening procedure that they have been advised to undergo, and must realize that the procedure itself presents a danger to their health. In the proposed videotape program, a baseline of information will be presented, as well as those concerns shared by most patients about to undergo such a procedure. Viewing such a program will allow patients to react to the experience and decide what is important to them. Whether the patient needs reassurance or more detailed information, he or she should be encouraged to express these needs and reconcile problems through physician-patient communication.



## SCRIPT ANALYSIS

The following script is the distillation of a process which involved research into the legal as well as emotional aspects of preparing patients for medical procedures. Additional understanding was gained by viewing angiographic studies being performed, interviewing patients and medical staff, and consulting advisors from the Graduate Program in Medical and Biological Illustration, University of California at San Francisco.

Docudrama Format

A great deal of essential information may be presented by selecting important events from a number of angiographic studies and organizing them into one representative story. For this reason, a docudrama (documentary-like dramatic form) style has been chosen for the proposed videotape program. By following one character, Mr. Eisen, through these events and allowing him to express his view of the experience, the program provides a vehicle for simplification of necessary information that would be suitable for a diverse patient population.

In a dramatic context, values are presented explicitly as well as by implication. For example, the patient audience hears Dr. Ortiz tell Mr. Eisen, "Be sure to ask if there's anything you want to know or if you feel uncomfortable." When Eisen tells the physician he feels pain at the



site of the incision, Dr. Ortiz gives him more anesthetic. The viewer sees that the physician responds to the patient's needs. Thus relieved of pain, Mr. Eisen is reinforced for expressing his needs. Mr. Eisen thereby encourages the patient audience viewing the videotape to do the same.

### Role Model

The character of Mr. Eisen was developed as a surrogate patient figure to convey information and to promote certain attitudes to assist the audience of real patients through similar situations. When considering actors for the part, it is not the elderly Jewish stereotype but the reasoning behind this character that must be maintained: i.e., the audience must respect the judgement of the patient character and trust that his point of view is realistic. By creating empathy, this character can be used to "model" a real patient's perceptions. Butt, et al, have shown that the viewing by patients of models who are initially fearful and who then overcome their fear, reduces stress in those patients during uncomfortable diagnostic procedures.<sup>7</sup>

Since Mr. Eisen describes his own angiographic study in a disjointed narrative, the audience is reminded and comforted that he has survived the procedure without permanent harm. His language difficulties exaggerate those that the average patient, fluent in English, would have with complex medical information. Through Mr. Eisen's interpret-



ation, the patient audience receives information that is simplified but not condescending. In addition, Mr. Eisen provides to elderly and ethnic patient groups a model who is unafraid to ask straightforward questions and to admit fears.

### Program Style and Technique

The color videocassette program, produced in docudrama style, will be approximately 20 minutes in length and will use both voice-over narration and lip-synchronized dialogue. Since the actual patient, lying on the angiographic table, receives a disorienting view of the ultrasophisticated equipment and of the technicians rushing in and out of the angiographic suite, the program will use views that the patient actually experiences (subjective camera), supplemented with those he wouldn't be able to see while undergoing the procedure. This strategy provides the patient viewer with an understanding of the events, using a point of view he or she will recognize when later undergoing the procedure.

This approach is particularly well-suited for explaining stress-inducing circumstances that are unavoidable. Major causes of stress for hospitalized patients are "not being told what the diagnosis is, not knowing results of treatment, not having questions answered by staff, having doctors or nurses talk too fast or having staff in too much of a hurry."<sup>8</sup> Although the proposed videocassette would





offer no solution to these problems, it would at least reveal to patients a more objective view of why such problems occur.

For example, there are times during angiography that doctors may not be responsive to the patient as a person. They may, in fact, neglect to answer a patient's questions. By presenting in the program an enactment of the patient being ignored while doctors concentrate on maneuvering the catheter into position, we disclose an understandable cause-and-effect relationship. The patient audience is made aware of the reason the patient is being ignored, viz., the physician's preoccupation with the patient's physical safety, not intentional disregard for questions asked.

Images in the program are designed and sequenced so as to imply order, safety and purposeful intent in the procedure, attesting to the competency of those professionals involved.

Sound is treated with similar consideration. Unusual sounds in the program (e.g., the noise of the contrast injector and quick x-ray changer) are related to the flashing lights of the x-rays being taken. Dialogue is used to identify these sounds, as well as to describe the sensation a patient feels during this part of the angiographic procedure. When actually subjected to angiography, the patient who has viewed the videotape program will recognize such visual and auditory impressions, and will thus experi-



ence them as purposeful and safe.

As a transitional device, the flashback serves to connect selected parts of the procedure as experienced by Mr. Eisen. Without the constraints of "real time," the demands of the information can determine the time needed for viewer understanding. In addition, the flashback interferes with the building of suspense, thereby allowing the audience to look realistically at the difficulties and complications without worrying about the outcome.



SCRIPT FOR DOCUDRAMA

"Showing the Way"

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SHOWING THE WAY  
(working title)

FADE IN:

INTERIOR - MEDIUM SIZE LIVING ROOM - DAY

It is a pleasant room filled with old-fashioned furniture and various memorabilia, carefully arranged. An elderly couple is seated on a small couch. In front of them is a small table crowded with a tea set, two pieces of cake on a decorative plate and a crystal butter dish. On the wall are framed photographs of weddings, bar-mitzvahs and various portraits and snapshots. The woman, MRS. EISEN, is plump and wears a shapeless dress. She strains to sit erect on the soft couch. The man, MR. EISEN, is thin but appears to be in good health and wears a plain brown suit. There is a young woman, the INTERVIEWER, seated across from the couple. On her lap is a clipboard.

INTERVIEWER

(to MR. EISEN)

Is that when Dr. Graham suggested,  
that you have an angiogram?

(then, awkwardly)

How did you feel about that?

MR. EISEN

(uneasy but would like  
to appear nonchalant)

So, I was a lit-tle noy-vous-

Camera widens to include MRS. EISEN, who is impatient.

MRS. EISEN

(interrupting)

I knew...

(raising her eyebrow  
to her husband)

from the way you didn't want to  
tell me...

MR. EISEN assumes a serious attitude, clasping his hands. He looks to see how MRS. EISEN is reacting.

MR. EISEN

I didn't want to worry my wife.  
Lately, she doesn't feel so good  
herself.



MRS. EISEN doesn't like hearing this. She straightens her dress and poses, looking down.

MR. EISEN  
(more attentive to his  
pronunciation)  
I wanted it should first be finished...  
The doctor explained...

MRS. EISEN  
(does not look up;  
under her breath)  
Such a good man, Dr. Graham.

MR. EISEN  
(dispassionately)  
He explained I could have complications...

MRS. EISEN wrings her hands.

INTERVIEWER  
Complications?

MR. EISEN  
You know...I could...something could  
happen...so I couldn't care for myself...

INTERVIEWER  
Like?

MR. EISEN  
Like maybe I couldn't walk...or I  
couldn't talk what I was thinking...  
(then, defensively)  
Not just for ME. I was afraid my wife...  
she should take care of me for everything.

INTERVIEWER  
That must have been pretty frightening.

MR. EISEN  
I mentioned I was ALREADY scared...

He hesitates, stealing a furtive glance at MRS. EISEN.

(continues, rushing  
his words)  
from the stroke. I was never sick...  
I mean...I was never CRIPPLED. I'm not  
a young man...but still...  
(then reminding  
himself)





INTERVIEWER

You still?

MR. EISEN

Well, I went to the shop for three days...  
not just for the money...It's not a BIG  
store...

MRS. EISEN

Every day for so many years!

MR. EISEN

I didn't know another way!

MRS. EISEN

(mischievously)

It's not so bad now, huh?

MR. EISEN

(playing innocent)

What's not so bad?

MRS. EISEN

Staying home!

MR. EISEN

(teasingly)

It could be worst!

INTERVIEWER can't help but smile at their interaction.  
She tactfully waits for a pause.

MR. EISEN

(continues)

We have a good life...(He pauses)

MRS. EISEN

(not liking the silence)

We have nine grandchildren and...

(proudly)

two GREAT-grandchildren and we take  
good care of our own selves...The  
children don't have to worry.

MR. EISEN

No, they don't have to worry.

MRS. EISEN

They come for all the holidays...

(getting more animated,  
tossing her head)

and we prepare everything! They love  
that we make all old-fashioned...

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INTERVIEWER is at first encouraging, but then as MRS. EISEN continues to carry on she looks to MR. EISEN for help. MR. EISEN helplessly shrugs his shoulders and smiles.

MRS. EISEN

(continues)

Do you know what a latke is...a potato pancake? They love especially MY potato pancakes...and my APPLE CAKE...everything made from the beginning...Even the little ones appreciate...(modestly) I don't know why...

MR. EISEN attempts, with his left hand, to put butter on his coffee cake. His unsteady movements capture MRS. EISEN'S attention. She starts to prevent him.

MRS. EISEN

(sternly)

That's not for you! The doctor said...

Annoyed, but also appreciative, he deliberately returns the butter to the table.

MR. EISEN

I know...

(changing the subject)

I was in the hospital already two days and Dr. Newton comes to my room like usual and he says now I'm 80% improved...but he's scared it shouldn't happen again.

INTERVIEWER

(shyly)

Another stroke?

MR. EISEN

(nods slowly; in a lower voice)

Yes...my arteries are not so good and he needs to see them...pictures of the arteries.

INTERVIEWER

X-rays?

MR. EISEN

X-rays to my brain...

(slowly thinking out the order)

X-rays of the arteries...that go TO the brain...Anyways, then he tells me HOW they get the pictures.

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that this is crucial for ensuring transparency and accountability in the organization's operations.

2. The second part of the document outlines the various methods and tools used to collect and analyze data. It highlights the need for consistent and reliable data collection processes to support effective decision-making.

3. The third part of the document focuses on the role of technology in data management and analysis. It discusses how modern software solutions can streamline data collection, storage, and reporting, thereby improving efficiency and accuracy.

4. The fourth part of the document addresses the challenges associated with data management, such as data quality, security, and privacy. It provides strategies to mitigate these risks and ensure that data is used responsibly and ethically.

5. The fifth part of the document concludes by summarizing the key findings and recommendations. It stresses the importance of ongoing monitoring and evaluation to ensure that data management practices remain effective and up-to-date.

INTERVIEWER  
How they perform the study?

MR. EISEN  
(with authority)  
First he puts in a special dye...

MRS. EISEN  
(quietly, with an  
exaggerated "shiver")  
Oy!

MR. EISEN  
(more timid)  
He puts the dye...in my leg...in a  
tube...  
(then, to pacify his  
wife)  
I didn't listen so careful.

Trying to conceal her tension, MRS. EISEN picks up the plate of cake, offers it to the young woman.

INTERVIEWER  
No, thank you.  
(to MR. EISEN)  
Did you agree right away? How did you  
feel when Dr. Newton suggested that you  
have an angiogram?

MRS. EISEN is at a loss about what to do with the cake. Attempting to undo the damage, the young woman smiles at MRS. EISEN.

INTERVIEWER  
Well...  
(gesturing to her full  
stomach)  
It's so good...maybe...just a small  
piece.

She takes the next to the last piece and stuffs most of it in her mouth. Then, overly enthusiastic and with a full mouth

Mmm...really...

MRS. EISEN  
(satisfied)  
I'm glad you like it. I'll go get some  
more.

She struggles to get up, holding the plate. The young woman also starts to get up.

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INTERVIEWER

(eager)

Need some help?

MRS. EISEN

No, it's all right. You just keep  
doing your work.

CAMERA PANS AS SHE CROSSES.

OFFSCREEN SOUND EFFECTS: SUBTLE CLAMOR OF DISHES, SILVERWARE.

INTERVIEWER

(relieved, she leans back)

You were telling me about the procedure...  
the dye?

MR. EISEN

(preoccupied)

Yes...the dye...You know...  
(He leans forward to  
whisper)  
Now I can tell you...

INTERVIEWER

What?

MR. EISEN

It's all better now...

INTERVIEWER

(impatiently)

What is?

MR. EISEN

It's all better now...but...I had a  
little complications...nothing terrible.

INTERVIEWER

What complication? During the procedure?

END SOUND EFFECTS.

MR. EISEN looks to see if his wife is coming back.

MR. EISEN

So, like I was telling you, I was still  
nervous from the stroke. My leg is still  
good...

INTERVIEWER

Why do they put the tube in your leg?

ENTER MRS. EISEN carrying plate of cake.



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MR. EISEN

It's not the leg exactly...

He makes room on the couch for MRS. EISEN, who is trying not to be disruptive.

MR. EISEN

It's up where the arteries get bigger...  
For less complications.

INTERVIEWER

What else did Dr. Graham tell you?

MR. EISEN

So, I tell him, "Dr. Graham, you know better from me about medicine. Put me to sleep and do what's best..."

(impassioned)

"No," he says...He knows more but he insists, you know? He wants to tell me, I think, so I shouldn't make a LAWSUIT!

MRS. EISEN

(under her breath)

A lawsuit...can you imagine!

MR. EISEN

(insulted)

Why should I make a lawsuit? It's his fault I don't feel good?

MRS. EISEN

Such a good doctor. You know, when my son was sick he came to the hospital every day...

MR. EISEN

I know he does the best he knows how.

MRS. EISEN

How can you expect more? I could tell you so many times-

MR. EISEN

But he needs to talk...

(gestures as if giving up)

so I let him talk.

INTERVIEWER

About the procedure?

MR. EISEN

(more than he expected)

EVERYTHING!



INTERVIEWER

Did that make you feel more confident...  
the explanation?

MR. EISEN

Confident!

INTERVIEWER

How DID you feel?

MR. EISEN

Worst! A HUNDRED TIMES WORST! He says  
I wouldn't sleep and I was afraid...not for  
the pain...but it would hurt and I might  
complain.

He glances at MRS. EISEN wringing her hands. He tries to  
compose himself.

MR. EISEN

...And it would be a different doctor,  
you know, a specialist! You know how  
much costs a specialist?

MRS. EISEN

(indignant)

You're not worth a specialist?

INTERVIEWER

Did you feel prepared for the experience...  
the actual angiogram?

MR. EISEN

(protectively)

Dr. Graham told me everything...what I  
should expect.

INTERVIEWER

So you knew exactly what it would feel  
like?

MR. EISEN

How can a person know...It's something so  
different...To tell you the truth, I was  
much more scared before...

(considering)

I expected worst...It's not a pleasure!  
There's so much commotion...the noises...

(reluctant to recall)

My English is not so good.

INTERVIEWER

You're doing fine. The noise and all  
the equipment?

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MR. EISEN

(throwing his arms in  
the air)

The machines...so many people...You think  
something must be wrong.

(reconsidering)

But I think it's a commotion all the time.

INTERVIEWER

Well, what was it like?

MR. EISEN

Inside the room already?...No...In the  
morning...First they wake me up so I  
shouldn't have any breakfast. MRS. EISEN  
doesn't know how a person LIVES without  
breakfast!

MRS. EISEN forces a smile.

MR. EISEN

(shrugs)

Then, Nancy, my nurse...she comes to  
take me on a table...

DISSOLVE: FLASHBACK

INTERIOR - RADIOLOGY CORRIDOR

CAMERA tracks through hall filled with people milling  
around. There is a little reception/waiting area with  
inadequate seating for the assortment of people in pajamas,  
wheelchairs, gurneys and some in street clothes. Then we  
see MR. EISEN lying on a gurney in a less crowded hall  
of the hospital.

V.O. MR. EISEN

(continues)

...And she leaves me there so I wait  
in the hallway for such a long time.  
I think they forgot me.

V.O. MRS. EISEN

How long could it be?

V.O. MR. EISEN

I said it FELT like a long time...  
Anyway, like I was saying, finally,  
a young woman comes out.

Enter DR. ORTIZ: She is in her early thirties.

V.O. MR. EISEN

Then she tells me...

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DR. ORTIZ  
(approaching MR. EISEN)  
Hello, Mr. Eisen. I'm Dr. Ortiz and  
I'll be doing your angiography study  
today.

V.O. MR. EISEN  
I didn't want to insult her, about her  
age.

MR. EISEN  
You look like my granddaughter, Sharon.

DR. ORTIZ  
(confused)  
Thank you.

MR. EISEN  
You must be very smart...They teach  
this in high school?

DR. ORTIZ  
Oh! Don't worry!  
(She is flattered and acts  
annoyed)  
I'm older than I look!

V.O. MR. EISEN  
So I was worried...Maybe this is the first  
time...You know...she never done this before.  
But I don't want to make her feel badly.

MR. EISEN  
My grandson is also in medical school.

DR. ORTIZ  
Oh?...Oh! You know, I've been practicing  
seven years SINCE medical school!

MR. EISEN  
So many years? It's so difficult to learn...  
this operation?

DR. ORTIZ  
No, the procedure requires...

MR. EISEN  
So, first you go to medical school.  
That's four years, right?  
(not waiting for an answer)  
I thought they teach everything then.





DR. ORTIZ  
(modestly)  
Well, not everything!

MR. EISEN  
And that's even after four years in  
college! You still don't know enough?

DR. ORTIZ  
(laughing to herself)  
No, that's just background.

MR. EISEN  
Then more school?

DR. ORTIZ  
Not exactly...  
(rushing her words)  
Then an internship and a residency in  
radiology, then a fellowship...

MR. EISEN  
Just for x-rays? How many years to  
make a residency?

DR. ORTIZ  
Three  
(impatient)  
Let's talk about you!

MR. EISEN  
How many years for this fellowship?  
(He calculates to himself)

DR. ORTIZ  
How are you FEELING, Mr. Eisen?

MR. EISEN  
How should I feel? Under the circumstances  
not so bad.

DR. ORTIZ  
Well, I think we'll be able to find out  
just why you're having trouble with your  
right side.

MR. EISEN  
Yes, I look forward to know this...so it  
shouldn't happen again.

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DR. ORTIZ

We have a pretty good idea of where the problem is, so you should be out of here in about an hour. You're lucky. Some people take longer.

MR. EISEN

I could be luckier and not have this at all!

DR. ORTIZ

That's true...I know Dr. Graham explained it to you already, but...

FADE UNDER DR. ORTIZ & MR. EISEN DIALOGUE FOR V.O. EISEN

V.O. MR. EISEN

She explained the same way like Dr. Graham, you know, the tube, I won't feel it, but I should stay still...so I figured she knows what she's talking about.

DR. ORTIZ

What we're going to do is make a small hole in the large artery in your gr-oin but first we'll wash the area with antiseptic, so keep your hands away from the clean are-a... It's very important! O.K.?

MR. EISEN

Yes. I understand.

UP FULL

DR. ORTIZ

(uncomfortable; as if memorized)

You understand that, although they're not likely, it is possible...Like all surgical procedures...there are risks-

MR. EISEN

(interrupts)

I understand already. You don't have to bother...like I could have another stroke or I could get a clot in my brain or my leg. Listen, I don't LIKE to make this test, but what can I do?

The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that proper record-keeping is essential for ensuring transparency and accountability in the organization's operations.

In the second section, the focus is on the role of the management team in setting clear goals and objectives for the organization. It is noted that effective leadership is crucial for guiding the organization towards its long-term success.

The third section addresses the need for continuous improvement and innovation. It suggests that organizations should regularly evaluate their processes and seek out new ways to enhance efficiency and effectiveness.

Finally, the document concludes by highlighting the importance of communication and collaboration among all employees. It states that a strong, cohesive team is the foundation of any successful organization.

DR. ORTIZ  
(encouraging nod)

MR. EISEN  
Dr. Graham explained he doesn't have another way...to look at the arteries... so maybe somebody can fix something in this old brain...before...so I shouldn't get another stroke.

DR. ORTIZ  
We'll try to keep that from happening again...

MR. EISEN  
My wife...she gets so scared. You know, when it happens...I was lying on the floor and she doesn't know what's the matter.

DR. ORTIZ  
I know...I know how frightening it can be. You know, because of your age and the condition of your arteries, your risks are a little greater.

MR. EISEN  
Don't worry dahling, you'll do a fine job. Anyways, it's better if something should happen here...I'm already in the hospital than at home, no?

DR. ORTIZ  
You're right...Now, I'd like you to read this carefully.  
(hands him a clipboard and pen)

MR. EISEN  
(laughing)  
Oh, so I shouldn't make a lawsuit!

DR. ORTIZ  
(embarrassed)  
Yes.

MR. EISEN adjusts his glasses, recognizes the form, signs without reading.

MR. EISEN  
I don't need to read it again. I know already what can happen.  
(then, delighted)  
My other grandson just finished law school. He's good-looking. Need a lawyer?

1. The first part of the document is a list of names and their corresponding addresses, arranged in a grid-like fashion. The names are written in a cursive script, and the addresses are listed below them. The grid consists of approximately 10 columns and 10 rows.

2. The second part of the document is a list of names and addresses, similar to the first part, but with a different arrangement. The names are written in a cursive script, and the addresses are listed below them. The grid consists of approximately 10 columns and 10 rows.

3. The third part of the document is a list of names and addresses, similar to the first two parts, but with a different arrangement. The names are written in a cursive script, and the addresses are listed below them. The grid consists of approximately 10 columns and 10 rows.

4. The fourth part of the document is a list of names and addresses, similar to the first three parts, but with a different arrangement. The names are written in a cursive script, and the addresses are listed below them. The grid consists of approximately 10 columns and 10 rows.

5. The fifth part of the document is a list of names and addresses, similar to the first four parts, but with a different arrangement. The names are written in a cursive script, and the addresses are listed below them. The grid consists of approximately 10 columns and 10 rows.

6. The sixth part of the document is a list of names and addresses, similar to the first five parts, but with a different arrangement. The names are written in a cursive script, and the addresses are listed below them. The grid consists of approximately 10 columns and 10 rows.

7. The seventh part of the document is a list of names and addresses, similar to the first six parts, but with a different arrangement. The names are written in a cursive script, and the addresses are listed below them. The grid consists of approximately 10 columns and 10 rows.

8. The eighth part of the document is a list of names and addresses, similar to the first seven parts, but with a different arrangement. The names are written in a cursive script, and the addresses are listed below them. The grid consists of approximately 10 columns and 10 rows.

9. The ninth part of the document is a list of names and addresses, similar to the first eight parts, but with a different arrangement. The names are written in a cursive script, and the addresses are listed below them. The grid consists of approximately 10 columns and 10 rows.

10. The tenth part of the document is a list of names and addresses, similar to the first nine parts, but with a different arrangement. The names are written in a cursive script, and the addresses are listed below them. The grid consists of approximately 10 columns and 10 rows.

DR. ORTIZ  
 (playing outraged)  
 I hope not! Do you have any questions  
 about what we just talked about?

MR. EISEN  
 (shakes his head to say no)

DR. ORTIZ  
 Be sure to ask if there's anything you  
 want to know or if you feel uncomfortable.  
 (apologetically)  
 Sometimes we get so busy...we forget to  
 talk to patients.

DR. ORTIZ wheels MR. EISEN into Angiography Room.

FADE IN SOUND EFFECTS: Angiography room: Clatter of metal,  
 pouring of liquid, people chattering.

MR. EISEN  
 Don't worry. You do the operation. I'll  
 do the talking.

INTERIOR: ANGIOGRAPHY ROOM: DAY

In the middle of this large room is a metal table surrounded  
 by equipment and supplies. Separated by a windowed partition  
 is the "control room," a narrow corridor containing a panel  
 of instruments. A young man and woman are preparing the room  
 for the next study. When they become aware of MR. EISEN'S  
 presence, they automatically start to help him onto the table  
 as they greet him.

SANDI  
 How are you doing, Mr. Eisen? Just inch  
 over...Good...A little more.

MR. EISEN struggles to get onto the table independently.

MR. EISEN  
 All right. Thank you.

SANDI  
 Sorry the table's so hard. It's got a  
 fluoroscopic camera inside so they can  
 see where the catheter...er...the tube...

V.O. MR. EISEN  
 The table should be my BIGGEST worry!



1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that this is essential for ensuring transparency and accountability in the organization's operations.

2. The second part of the document outlines the various methods and tools used to collect and analyze data. It highlights the need for consistent and reliable data collection processes to support informed decision-making.

3. The third part of the document focuses on the role of technology in data management and analysis. It discusses how modern software solutions can streamline data collection, storage, and reporting, thereby improving efficiency and accuracy.

4. The fourth part of the document addresses the challenges associated with data management, such as data quality, security, and privacy. It provides strategies to mitigate these risks and ensure that data is used responsibly and ethically.

5. The fifth part of the document concludes by summarizing the key findings and recommendations. It stresses the importance of ongoing monitoring and evaluation to ensure that data management practices remain effective and aligned with the organization's goals.

MR. EISEN

It's all right.

SANDI

(cheerful)

It's probably the most unpopular part.

V.O. MR. EISEN

I care what's popular? Now? Hmph...

MR. EISEN

(nervous)

It...doesn't t...trouble me.

SANDI

That's what you say now! That's what patients complain about most!

MR. EISEN

I'm not a com...complainer.

ROOM TONE GETS LOUDER: TRACK with MARK rotating camera.

V.O. MR. EISEN

THEN! All the sudden...it's an invasion!  
All these people running around...I can't  
understand how they don't bump in...

MARK hits the x-ray machine against the table where  
MR. EISEN'S head is resting.

MARK

Excuse me, Mr. Eisen.

MONTAGE

MR. EISEN'S glasses taken, his head lifted, two hard foam  
"pillows" shoved under.

MR. EISEN'S POINT OF VIEW: SANDI scratching his chest to  
attach heart monitor.

SANDI

I know, my hands are always cold.

MR. EISEN'S I.V. filled with tranquilizer, blood pressure  
monitor on his arm, light from the camera centered on his  
face, his head marked with black ink, a test shot.

MR. EISEN'S POINT OF VIEW: SANDI feeling pulse in groin.

SANDI

(loud; as if to a child)

I'm going to prepare the area...make it  
sterile. So keep your arms at your sides!

THE UNIVERSITY OF CHICAGO

IN THE DEPARTMENT OF CHEMISTRY

BY ...

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MR. EISEN silently obeys.

SANDI

That's good!

SANDI proceeds to shave site of incision, lift hairs with tape, wash with red solution, cover hip area with surgical cloth with hole in it.

MR. EISEN

It's my ARM! Not my EARS! I HEAR all right!

SANDI

(quieter)

I'm sorry. Some patients do have trouble hearing.

Enter DR. ORTIZ: wearing lead apron.

SANDI

Phyllis, which catheter do you want for this one?

DR. ORTIZ

Let's try #01 with the straight tip.  
Hello Mr. Eisen.

DR. ORTIZ puts on gown and gloves, checks supplies on cart, fills syringe.

MR. EISEN

How you doing?

DR. ORTIZ

I'm going to give you some medication to make the area numb. It'll burn for a few seconds. Next to the hard table, this is the worst part.

MR. EISEN is tense in anticipation.

V.O. MR. EISEN

I can't understand it! Everybody's so worried about the table!

DR. ORTIZ

There, did that hurt?

MR. EISEN

(gratefully disappointed)

Not so bad. A little burn.



MR. EISEN'S POINT OF VIEW: SANDI holding long plastic package containing catheter, shows it to DR. ORTIZ.

DR. ORTIZ

Perfect.

(to MR. EISEN)

Can you feel anything?

MR. EISEN

A little pinch.

DR. ORTIZ

(injects more)

How about now?

MR. EISEN

Did you pinch me again?

DR. ORTIZ

Yes, I did.

MR. EISEN

Then, it's good. I didn't feel it...

(impressed)

Better than my dentist. When he says I won't feel it...Let me tell you, I FEEL PLENTY!

DR. ORTIZ

(surprised)

Thank you!

MR. EISEN'S POINT OF VIEW: SANDI hovers over him, checks blood pressure, etc. DR. ORTIZ makes incision.

DR. ORTIZ

How are you feeling, Mr. Eisen?

MR. EISEN

Not bad. Better than I expected.

MR. EISEN'S POINT OF VIEW: DR. ORTIZ proceeds to insert needle, wire, takes catheter as SANDI holds package.

MR. EISEN

(mischievously to SANDI)

Did anybody ever tell you you have very nice nostrils?

SANDI

No, actually...

DR. ORTIZ bends to look. SANDI demonstrates by tilting her head back.

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DR. ORTIZ  
He's right. They're gorgeous!

SANDI  
(playfully frowns; then  
observing)  
You look about ready, Phyllis. Should I  
call Dr. Norman?

DR. ORTIZ  
(checks catheter)  
Yes, thank you.  
(holding incision site)  
Mr. Eisen, it'll just be a minute. How  
are you feeling?

SOUND: From control room, people giggling.

MARK  
What did he say?  
(as if an important discovery)  
He's right! You DO have nice nostrils!

SANDI  
He's really charming.

MR. EISEN  
(lifts his head)  
You having problems?

DR. ORTIZ  
No, you're doing fine. Try to relax.  
We're just waiting for Dr. Norman.

MR. EISEN  
So far, it doesn't feel so bad. I  
expected worse.

Enter DR. NORMAN: brisk, tying apron. He immediately  
begins to don gown and glove.

DR. NORMAN  
Hi, Phyllis.

DR. ORTIZ  
Mr. Eisen, this is Dr. Norman. He's going  
to help me guide the catheter to the place  
where we'll inject the dye.

DR. NORMAN  
Hello, Mr. Eisen. How are you doing?



1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that proper record-keeping is essential for transparency and accountability, particularly in the context of public administration and government operations. This section outlines the various methods and tools used to collect, store, and analyze data, ensuring that information is readily accessible and reliable.

2. The second part of the document focuses on the challenges and solutions associated with data management. It identifies common issues such as data redundancy, inconsistency, and security concerns, and provides practical strategies to address these problems. The text highlights the need for robust security protocols and regular data audits to protect sensitive information and maintain the integrity of the data systems.

3. The third part of the document explores the role of technology in modern data management. It discusses the integration of cloud computing, artificial intelligence, and machine learning into data analysis processes. These technologies are shown to enhance the efficiency and accuracy of data processing, allowing for more informed decision-making and better resource allocation. The text also touches upon the importance of training and skill development for staff to effectively utilize these advanced tools.

4. The final part of the document provides a summary of the key findings and recommendations. It reiterates the importance of a proactive approach to data management and the need for continuous improvement and innovation in the field. The document concludes by encouraging stakeholders to embrace these changes and work together to build a more data-driven and transparent organization.

MR. EISEN

Very good. I think Dr. Ortiz does a very nice job. You think she needs help?

DR. NORMAN

(leans over)

Confidentially, I think she just likes an audience.

DR. ORTIZ plays insulted. DR. NORMAN steps on foot pedals to turn out room lights, turn on fluoroscope and swivel table. Both doctors watch T.V. monitor.

DR. ORTIZ

(to control room)

A little brighter...O.K. That's fine.

Staring at monitor, DR. ORTIZ manipulates catheter as DR. NORMAN controls attached syringe. MR. EISEN watches as they casually ad-lib, "catheter works well on this kind of case." "Not like yesterday." "How did you like the conference?" "Interesting."

V.O. MR. EISEN

The way the doctors talk to each other!

Continue ad-lib: "What did you think of that scan?" "I thought it was an enlarged cistern." "He didn't really know what it was." "Then I noticed a C.S.F. density." "A malignant glioma?"

V.O. MR. EISEN

They were making me more nervous.

MR. EISEN

(bursts out)

You talking about MY brain?

DR. NORMAN

No, we're just talking about some x-rays.

DR. ORTIZ

I'm sorry. How are you feeling?

V.O. MR. EISEN

See, it pays to ask. I could be worrying for nothing!

DR. ORTIZ

It'll feel hot for a few seconds while we inject a little dye.



MR. EISEN nods, clutches sheet in anticipation. Staring at screen, DR. NORMAN injects. DR. ORTIZ glances at MR. EISEN, then back to monitor.

DR. NORMAN

Where did you feel that, Mr. Eisen?

MR. EISEN makes a conscious effort to relax.

DR. ORTIZ

In your arm?

MR. EISEN

It's not pain...but never before I felt such a heat!

DR. ORTIZ

Where?

MR. EISEN

This arm.

Satisfied, DR. ORTIZ continues to maneuver catheter. Both doctors intensely staring at monitor.

DR. ORTIZ

(to herself)

Where are we

(then, to DR. NORMAN)

A little contrast.

DR. NORMAN

(injects)

In the innominate...Pull back a little... Good...turn a little to the right.

DR. ORTIZ

Good. Oh, Mr. Eisen, we've got it in. Now we're getting it...

(distracted)

MR. EISEN

In the place for the x-rays?

DR. ORTIZ

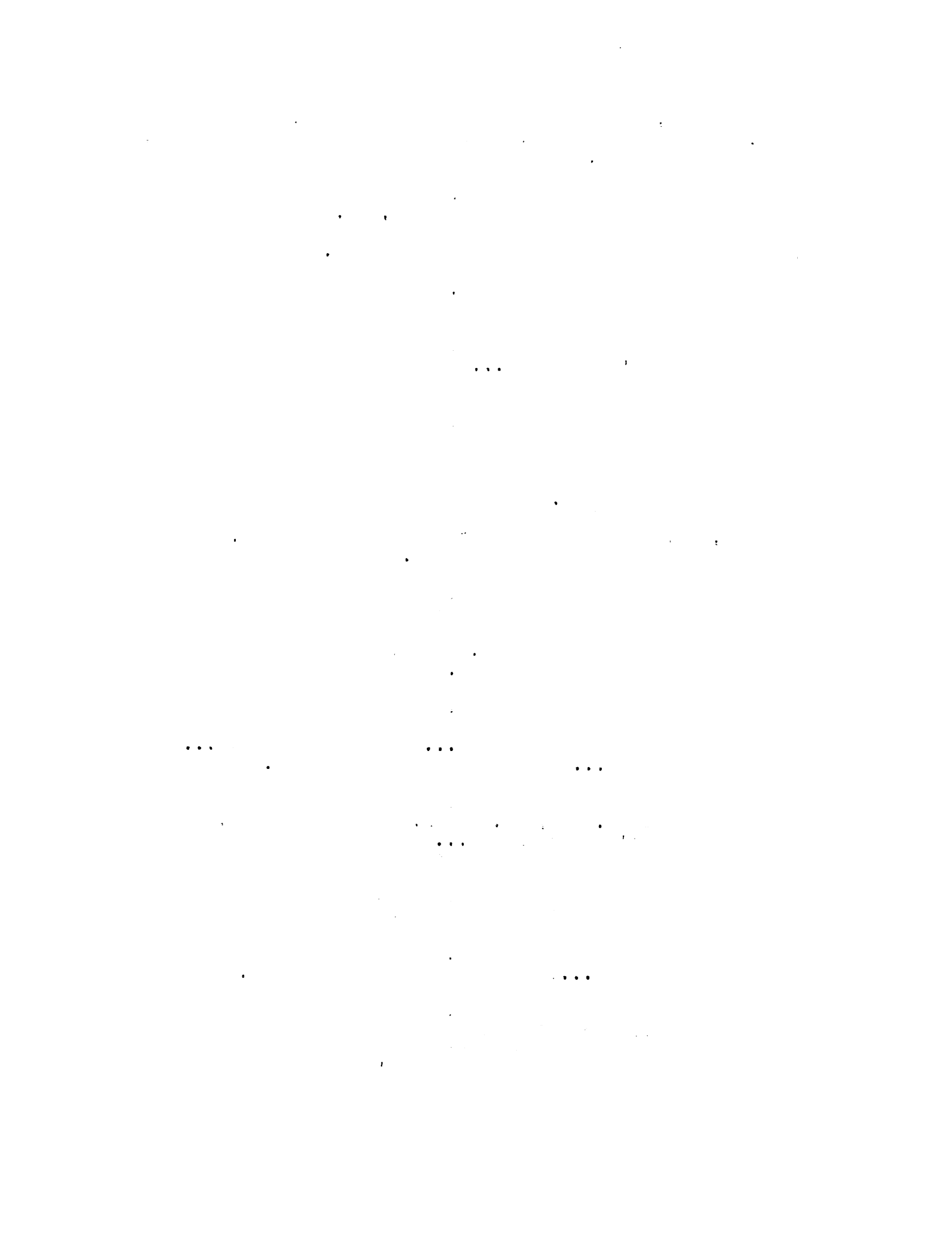
Right...You can watch yourself on T.V.!

MR. EISEN

Inside me? NO, THANK YOU!

(enlivened)

Such a movie star I don't need to be!



DR. NORMAN  
(to DR. ORTIZ)  
Pretty tortuous.

DR. ORTIZ  
More contrast, please...Good.

INTERIOR: LIVING ROOM

MR. EISEN  
So then he tells me, Dr. Norman, he has trouble with the tube, getting it to the place. He tells me, "It's not unusual." For ME it's UNUSUAL!

INTERVIEWER  
So, what did that mean?

MR. EISEN  
He says it means it will take a little longer than they expected.

INTERIOR: ANGIOGRAPHY ROOM

MR. EISEN  
How much longer?

DR. NORMAN  
I know, you want to keep going...but I'M getting tired!

DR. ORTIZ  
(responding to the joke, she  
shakes her head in disapproval)  
It won't be long now. We're almost finished.

Enter SANDI: She checks blood pressure, pulse, heart, I.V.

SANDI  
How are you feeling, Mr. Eisen?

DR. NORMAN  
You're doing fine, Mr. Eisen.

MR. EISEN  
I know I'M doing fine. How are YOU doing?

DR. NORMAN hands DR. ORTIZ the syringe. They switch positions. MR. EISEN takes a deep breath, trying to relax.

DR. ORTIZ  
We've got it now, Mr. Eisen. We're ready to inject the dye and take the x-rays.



SANDI handles the unsterile part of the injector as DR. ORTIZ connects it to the catheter.

DR. ORTIZ

It's important that when we tell you, you don't move at all. Don't even breathe.

MR. EISEN nods.

OFFSCREEN VOICE

(from control room)

Phyllis, what do you want it set at?

DR. ORTIZ

Let's do the lateral six for nine, four for eight.

Enter MARK: He rotates x-ray machine, puts in film, adjusts MR. EISEN'S head.

MR. EISEN notices from the corner of his eye that everyone is leaving the room.

MR. EISEN

(abandoned)

What's the matter? Where are you going?

SANDI

Oh...we have to go because of radiation.

MR. EISEN

(relieved)

You think I like radiation?

SANDI

Well, we do this every day...It builds up. You're just getting a bit. That's why we wear these lead vests and...

(indicates tag)

these: to tell how much radiation we've accumulated.

MR. EISEN

Oh...O.K.

SANDI

Now you just try to relax. Keep as still as you can. (on her way out)  
Keep your head turned all the way to the left.  
Chin up. Good.



1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that proper record-keeping is essential for ensuring transparency and accountability in financial operations.

2. The second part of the document outlines the various methods and techniques used to collect and analyze data. It highlights the need for consistent and reliable data collection processes to support informed decision-making.

3. The third part of the document focuses on the analysis and interpretation of the collected data. It discusses the various statistical and analytical tools used to identify trends, patterns, and insights from the data.

4. The fourth part of the document discusses the implications of the findings and the need for continuous monitoring and evaluation. It emphasizes that the data should be used to inform strategic planning and to identify areas for improvement.

5. The fifth part of the document concludes by summarizing the key findings and the overall objectives of the study. It reiterates the importance of data-driven decision-making and the need for ongoing collaboration and communication among all stakeholders.

DR. ORTIZ  
 (from control room)  
 All right, Mr. Eisen. It'll burn like  
 before, only you'll feel it in your head  
 this time.

We see MR. EISEN through the glass partition. He strains  
 to keep still, staring.

DR. ORTIZ  
 We're going to inject, so keep perfectly  
 still...Good...It'll feel hot...Don't  
 breathe!

SOUND EFFECTS: Swoosh...ringing.  
 Lights flash on MR. EISEN'S head.

SILENCE for a moment then FADE IN sound of footsteps;  
 someone rushing in wearing nurse's shoes.

BLUR PAN: DR. ORTIZ, SANDI and MARK march back into room.

OFFSCREEN DR. ORTIZ  
 You can breathe now, Mr. Eisen.

Disoriented, MR. EISEN looks with lack of recognition.  
 MARK takes x-rays from machine.

MARK  
 How are you feeling, Mr. Eisen?

MR. EISEN  
 (weakly)  
 All right.

DR. ORTIZ  
 How are you feeling, Mr. Eisen?  
 (no response)  
 Mr. Eisen?  
 (sees him squinting)  
 How are your eyes? Tell me...Where did you  
 feel that? It's important that you talk  
 to me.

ROOM SOUND: Normal volume.

MR. EISEN  
 On the left...like the stroke...  
 (closing one eye)  
 I think already it's a little better.

FADE UNDER: DR. ORTIZ examines MR. EISEN'S vision, checks  
 his pulse under following V.O. MRS. EISEN and V.O. MR. EISEN.



DR. ORTIZ  
Probably...You know it's not unusual to  
have a temporary effect. It'll probably  
clear up right away...or in a day or so.

V.O. MRS. EISEN  
Why didn't you tell me you had complications?  
I knew something was going on...

V.O. MR. EISEN  
(apologetically whispers)  
See, it's all better now.  
(louder)  
But I'm not embarrassed to tell you I was  
scared! You could imagine I didn't have  
enough troubles before?

Lights out. Fluoroscope on. DR. ORTIZ pulls catheter down.  
MARK rushes out of room carrying x-rays. He stops for a  
moment to whisper to SANDI, who is writing on a chart.

MARK  
I think he's worried.

SANDI nods. In response, she puts down the chart and  
approaches MR. EISEN, who is motionless.

SANDI  
(cheerfully)  
How are you doing, Mr. Eisen?

MR. EISEN  
(reluctant)  
Better.

SANDI  
How are your eyes?

MR. EISEN  
Maybe not so blurry.

SANDI  
(concerned)  
You know, it often takes a while to clear  
completely...What happens is, when the dye  
is injected into the arteries...

MR. EISEN  
(interrupts)  
I know...from when Dr. Graham explained.  
It's like a stroke - the brain doesn't get  
enough blood.

1. The first step in the process of identifying a problem is to recognize that a problem exists. This is often done by comparing current performance with a desired state or goal. For example, a manager might notice that sales are declining or that customer satisfaction is low. Once a problem is identified, the next step is to define it clearly and specify the objectives for solving it. This involves determining the scope of the problem, the resources available, and the time frame for a solution. A clear definition of the problem helps to focus the search for a solution and prevents the team from getting sidetracked by unrelated issues.

2. The second step is to analyze the problem and identify its causes. This is often done through a process of brainstorming and critical thinking. The team should consider all possible causes, both internal and external, and evaluate their relative importance. A common tool for this step is the fishbone diagram, which helps to identify the root causes of a problem. Once the causes are identified, the next step is to develop a plan of action. This involves determining the specific steps that need to be taken to solve the problem, assigning responsibilities to team members, and setting a timeline for completion. A clear plan of action helps to ensure that everyone is working towards the same goal and that the solution is implemented effectively.

3. The third step is to implement the plan of action. This involves putting the plan into practice and monitoring progress. The team should communicate the plan to all relevant stakeholders and ensure that they understand their roles and responsibilities. Regular communication and reporting are essential for tracking progress and identifying any issues that arise. If the plan is not working, the team should be prepared to make adjustments as needed. This may involve revisiting the causes of the problem or developing alternative solutions. The final step in the process is to evaluate the results and determine whether the problem has been solved. This involves comparing current performance with the desired state and identifying any remaining issues. If the problem has been solved, the team should celebrate their success and share their lessons learned. If the problem persists, the team should return to the first step and begin the process again.

SANDI

I know, it must be pretty frightening.

MR. EISEN

It's already better. I just have to wait.

FADE UNDER FOR V.O.: SANDI checks blood pressure, incision site, pulse in his foot. She tells him that he's doing fine.

V.O. MR. EISEN

Anyways, it couldn't be so bad. So I try to have patience. But EVERYTHING takes such a long time!

LONG SHOT: Back of DR. ORTIZ examining MR. EISEN.

UP FULL

MR. EISEN

My eyes are just the same like when I came here. I still don't see like a teenager!

DR. ORTIZ

We still have to wait for the x-rays to come back developed.

(sympathetically)

I know, it feels like a long time.

REVERSE ANGLE: Contrast injector in foreground, patient in middle, light table in background. MARK places x-rays on light table for examination. The light from the table reflects on his face as he writes numbers on them.

MR. EISEN'S POINT OF VIEW: Searching for information, he surveys the room. A quartet of nurse, technician and doctors gather around the x-rays. He picks up isolated words, "good technique," "plaque."

SANDI

Great news, Mr. Eisen!

MR. EISEN is startled.

SANDI

You're all finished! The pictures turned out fine!

MARK

Glad it's over?

MR. EISEN

You did very nice, all of you...but what did you find out?



DR. ORTIZ  
(handing him his glasses)  
YOU did very well. How is your vision  
now?

MR. EISEN  
(puts on his glasses)  
NOW it's perfect!  
(raises his head with effort)  
So, what did you find? Do I need an  
operation?

DR. ORTIZ  
We can't tell yet. We'll have to study  
the x-rays. I'm going to take the tube  
out. This will hurt a little.

LIGHTS OUT. FLUOROSCOPE ON: DR. ORTIZ steps on pedal  
to maneuver table, pulls up a stool to sit down, pulls  
out the catheter.

DR. ORTIZ  
I'll put pressure here for fifteen minutes...  
to close the hole. For the next six hours  
you shouldn't move at all! Not even the  
bathroom. That means a bedpan.

MR. EISEN  
(disinterested)  
All right.

DR. ORTIZ  
(demonstrating)  
Now, if you feel a lump there...

MR. EISEN  
I know, it means I have a clot.

DR. ORTIZ  
Maybe. Just call for a nurse.

SANDI is setting up for the next study. She uses forceps  
to open a sterile cloth package of instruments.

SANDI  
How are you feeling, Mr. Eisen?

MR. EISEN  
You were right about the back!  
(changing his mood, he turns to  
DR. ORTIZ)  
When will you tell me what you see in the  
pictures...It's a secret?



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...

...

DR. ORTIZ

We really do have to study the x-rays.

MR. EISEN

After all these years you still have to study?

DR. ORTIZ

Dr. Graham will come down either today or tomorrow to...

MR. EISEN

Here? He's gonna study also?

DR. ORTIZ

(surrendering)

All right. You know those noises you heard after the injection?

MR. EISEN

I know. The rings. That's what makes the pictures.

DR. ORTIZ

Right...That's the x-ray machine taking six pictures in a row!

MR. EISEN

So?

DR. ORTIZ

Now the reason we have to study isn't to learn new things, but to COMPARE those pictures...to each other.

MR. EISEN

Oh, I see...so you're not looking just at pictures...OH! THAT'S what he meant. Dr. Graham...the way the blood GOES! Where it is in one picture and when it is later! So, why don't you go look where it is?

DR. ORTIZ

Well, it's hard to see. The bones of your skull make it difficult to see, so what we have to do is process the x-rays...subtract the bone.

MR. EISEN

Very interesting, but when are you gonna tell me?



FADE UNDER AD LIB DIALOGUE BETWEEN DR. ORTIZ AND MR. EISEN  
ABOUT ABOUT HOSPITALS AND SICKNESS FOR THE FOLLOWING V.O.:

V.O. MR. EISEN

And my wife. She waited all this time  
for me to come back upstairs...in my  
room...

DISSOLVE TO PRESENT: SAME LIVING ROOM: C.U. MRS. EISEN

MR. EISEN

(continues)

And then she watched and helped me all  
the six hours...so I shouldn't have to  
move.

MRS. EISEN

(flattered)

You know, Dr. Ortiz, such a sweet girl  
and so SMART! She comes up to look at  
Mr. Eisen.

MR. EISEN

To look at my eyes...but also to meet  
with my wife.

MRS. EISEN

That was so nice. She doesn't have to  
do that, you know.

MR. EISEN

By then it was mostly better...the eyes...  
not the leg.

MRS. EISEN

The LEG still hurt!

MR. EISEN

But the medicine works very good for the  
pain. My wife asked for me for more  
medicine, and it really helps!

(disappointed)

Still, she didn't have what to say about  
the x-rays.

INTERVIEWER

Your wife?

MRS. EISEN

Dr. Ortiz.

MR. EISEN

And then Dr. Graham comes! And he still  
doesn't know!

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MRS. EISEN

So, I ask, in the hall, nobody should hear...

MR. EISEN is surprised.

MRS. EISEN

Dr. Graham, please. It's better you should tell me. Is it...can...cancer?

MR. EISEN

(interrupts)

So, tomorrow...I mean...in the morning, Dr. Graham comes and he says...

(amused)

If I WANT, I can have an operation.

INTERVIEWER

If you WANT?

MR. EISEN

Well, not exactly. He thinks it's better if I don't...because complications for an older person...

MRS. EISEN

And then another doctor comes with ANOTHER opinion!

MR. EISEN

He thinks I SHOULD need an operation...

(He shrugs)

Some doctors do, some don't...It's funny. They all have OPINIONS!

MRS. EISEN

(under her breath)

So funny, those doctors...

MR. EISEN

(proudly)

So, I have opinions also!

(timidly qualifies)

As long as they ask me, I say, "No, thank you."

MRS. EISEN sees that the INTERVIEWER is confused.

MRS. EISEN

Let ME explain. The doctors say there's two ways. He can have the operation, but then he can have a complication. I didn't know he already HAD a complication!

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INTERVIEWER

What was the other choice?

MRS. EISEN

Or I can watch him very careful...you know,  
to take the medicine, not to eat what's bad.

MR. EISEN

And to make the exercises.  
(proudly demonstrates)  
It's still not perfect.

MRS. EISEN

But it's MUCH better! You should have seen  
it before! It's no comparison!

INTERVIEWER

Does that mean you're cured?

MR. EISEN

Well, I'll tell you the truth. Sometimes  
I'm afraid it should happen again...only  
sometimes...

MRS. EISEN

It's not gonna happen again!

MR. EISEN

You never know. I didn't think it would  
happen even ONE time...A person never knows.  
If you have one stroke, it's a surprise.

MRS. EISEN

You could wait for another one, and it  
could never happen!

MR. EISEN

I'm not gonna worry.

INTERVIEWER

(to MRS. EISEN)

Are you worried?

MR. EISEN

She'll always worry. She worried before!

MRS. EISEN

I don't JUST worry.

MR. EISEN

(appreciatively)

No, you take good care of me...always...



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FADING OUT

INTERVIEWER

Just one more thing.

MR. EISEN

Yes?

INTERVIEWER

Are you sorry you had the angiogram?

MR. EISEN

Oh, no! How else could I know what it is? Even what it isn't?

INTERVIEWER

But you're not doing anything about it.

MR. EISEN

I'm doing. I'm just not having an operation! But if I didn't take the tests I would think I need an operation! No, I feel very much satisfaction. I don't know. You can only do the best you know.



## CONCLUSIONS

Because of the complexity of the aims of the proposed videotape program, i.e., "reduced patient anxiety," "better physician-patient communication," "adequate informed consent," a separate research project would be required to evaluate its effectiveness in these areas. Such evaluation might be modeled, in part, on the study of the effects of viewing the videotape on patients' anxiety during endoscopy, in which testing was both quantitative (heart rate, blood pressure, amount of tranquilizer needed) and qualitative (reports by the medical staff and patients themselves). It would also be important to determine whether viewing of the videotape resulted in more effective physician-patient communication and in providing "informed consent" according to legal criteria.

A fundamental component of this project is the development of a questionnaire for physicians to use as an instrument to document "informed consent." Such a questionnaire should include a checklist of basic information about which the patient should be aware, such as:

1. Angiography is a diagnostic procedure - not therapeutic;
2. Risks are involved;
3. Patients are awake when undergoing an angiographic study;  
and
4. Patients as well as physicians and technicians have responsibilities for the successful implementation of the



study.

In addition to documenting patient understanding of the procedure, the questionnaire can be used to provide feedback on the effectiveness of the videotape program.

Less formal feedback will involve asking patients such questions as: "Was the procedure what you had expected?" "Based on your experience, what was missing in the videotape program?" "Did viewing the program encourage or discourage you to go through with the procedure?" "Do you think viewing the program helped you talk to your doctor?" "Did your family view the program with you?"

Writing this thesis has given me insight into the importance of stating clear goals and an appreciation of the amount of planning required to demonstrate these goals in a subtle communications medium. The enclosed script is flexible, not final. With its well-defined goals and its provision for a method of achieving these goals, I believe it works as a framework that can be further refined during actual production.

The problem of informing patients adequately about sophisticated medical procedures may be overcome, in part, by using technology to improve patient education. But the purposes of educating patients need reevaluation, and new goals must be set. Methods for employing educational media to implement such goals need experimentation, as well as development of research methods to evaluate these experiments according to their stated goals.



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The first part of the document discusses the importance of maintaining accurate records of all transactions. This includes not only sales and purchases but also the collection and payment of taxes. Proper record-keeping is essential for determining the correct amount of tax owed or refundable.

In addition, the document emphasizes the need to understand the different types of taxes that apply to a business. This includes federal, state, and local taxes, as well as various taxes on income, property, and sales. Knowing which taxes apply and when they are due can help a business avoid penalties and interest.

Another key aspect of tax management is staying up-to-date on changes in tax law. Tax laws can change frequently, and it is important to consult with a tax professional to ensure that a business is taking full advantage of all available deductions and credits.

Finally, the document stresses the importance of paying taxes on time. Failure to do so can result in significant penalties and interest charges. Therefore, it is crucial to establish a system for tracking tax deadlines and ensuring that all payments are made by the due date.

