3. KNOWLEDGE OF MEDICAL CONDITIONS AND SURGERY

Knowledge:
(Medical)

a) Does this disease involve occlusion or narrowing of the arteries?

Yes = 1 64 87.7%
No = 2 8 11.0%
Unsure = 3 1 1.4%

Has this disease been present for a long time?

Yes = 1 45 61.6%
No = 2 28 38.4%
Unsure = 3 0

b) Does this disease involve arteries other than the arteries of your heart?

Yes = 1 16 21.9%
No = 2 53 72.6%
Unsure = 3 4 5.5%

c) Do you know what caused this disease in your case?

Yes = 1 43 58.9%
No = 2 28 38.4%
Unsure = 3 2 2.7

If yes

hereditary = 1 15
dietary = 2 20
obesity = 3 4
inactivity = 4 7
smoking = 5 21
stress = 6 50
diabetes = 7 5
alcohol = 8 5
high cholesterol = 9 13
4. **SURGICAL KNOWLEDGE**

What did you know, before the operation, about the operation you were going to undergo:

- No Knowledge = 0 9
- Vessel transplant = 1 60
- blockage (narrowing) bypass = 2 57
- Prolonged anaesthesia = 3 45
- Heart lung machine = 4 31
- (extra corporeal bypass)
- I.C.U post op = 5 54
- Unaware for the first couple of hours = 6 46

5. **ATTITUDE TOWARDS WORK**

a) Do you feel that you will be able to return to work after your operation?

- Yes = 1 43 86%
- No = 2 7 14%

Full- time employment = 1 32
Part- time employment = 2 7
Self-employment = 3 4

b) How long do you think you will need to take off before returning to work

- Years = 0
- Months = 1 month = 19
- 2 months = 10
- 3 months = 9
- 4 months = 4
- 5 months = 0
- 6 months = 1

- Days =

-32
c) If patient is unemployed or retired, establish his activities of daily living and to what extent he believe she will be able to continue after his operation.

a) Will you be able to do the same as before? = 1 10 37%
b) Will you be able to do more than before? = 2 12 44.4%
c) Will you be able to do less than before? = 3 4 14.8%
d) Uncertain = 4 1 3.7% □ 33

6. Have you had a normal sex-life in the past six months?

Yes = 1 33 47.1%
No = 2 37 52.9% □ 34

7. Are you depressed/moody

Not at all = 1 24 35.8%
Slightly, occasionally = 2 13 19.4%
Depressed = 3 20 29.9%
Quite often, quite severely = 4 9 13.4%
Severely depressed = 5 1 1.5% □ 35

8. What are you going to do to stay well when you go home?

Specify:

Do more exercise 34 (46%) □□ 36
Go on diet 31 (42%) □□ 36
Take it easy 20 (27%) □□ 35
Stop smoking 14 (19%) □□ 34
The same as before 11 (15%) □□ 33

9. Who is your Cardiothoracic Surgeon?

1. Dr Girdwood = 32 (44%)
2. Dr Kinsley = 28 (38%)
3. Prof Cronje = 13 (18%) □ 42
10. Who is your cardiologist?

20 private cardiologists
Barag . unath Cardiac Clinic
Johannesburg Cardiac Clinic
QUESTIONNAIRE 4: SIX MONTHS POST-OPERATIVELY
TO PATIENT

CARD 1

Case no. □□ 1 - 2
Card no. patients interviewed n = 64 □□ 3 - 4
Tel no:
Date of interview: □□□□□□
Patient address

1. Are you satisfied with the outcome of the operation? n = 61

Yes = 1 51 (84%)
No = 2 10 (16%) □ 11
If no: Specify □□ 12 - 13

Problems with sternal wound 10%
Problems with donor site (leg) 3%
Damaged vocal cords, severe emotional stress,
better before the operation, sleeplessness

2. Have you returned to work?
Of the 51 that worked pre-operatively:

Yes = 1 32 (63%)
No = 2 19 (27%) □ 14

If yes:

Full-time = 1 27 (84%)
Part-time = 2 5 (16%) □ 15
If no: Why not?

32 patients not working

- Pension = 1 21
- Boarded = 2 2
- Lost job = 3 3
- Can’t find work = 4 2
- Ill-health = 5 4

3. Do you have angina?

Yes = 1 13 (21%)
No = 2 49 (79%)

If yes:

- Light, barely noticeable, = 1 4 (33.3%)
- Moderate bothersome = 2 3 (25%)
- Severe, very uncomfortable = 3 5 (41.7%)
- Most severe pain ever experienced in the past = 4 0

4. Do you suffer from fatigue?

1. worst tiredness one could expect to have
2. very tired, often = 8 (12.9%)
3. tired = 6 (9.7%)
4. slightly, occasionally = 20 (32.2%)
5. never = 28 (45.2%)

5. Do you suffer from breathlessness?

Yes = 1 23 (62.9%)
No = 2 39 (37.1%)

6. Do you suffer from any other symptoms?

Yes = 1 39 (62.9%)
No = 2 23 (37.1%)

If yes: Specify

- 24-27
- 28-29
1. **Painful sternum** = 11 (17.7%)
2. **Painful leg** = 7 (11.3%)
3. **Depression** = 3 (3%)
4. **Cardiac failure** = 1 (3%)

7. Do you attend a Cardiac Rehabilitation Centre?

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>57</td>
</tr>
</tbody>
</table>

If yes, how did you hear about it?

<table>
<thead>
<tr>
<th>Physiotherapist</th>
<th>Doctor</th>
<th>Friend</th>
<th>Patient</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
</tbody>
</table>

8. How many medicines do you take daily?  

*mean 2.7 (range 0 - 11; SD±1.4)*

What are the names of the medicines?  
(no. known to patient)  

*mean 2 (range 0 - 6; SD±1.4)*

What is the effect of each medicine? (no. known to patient)  

*mean 1.9 (range 0 - 6; SD±1.4)*

Do you take your medicines regularly?

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>53</td>
<td>8</td>
</tr>
</tbody>
</table>

Who decides that you should take your medicine?

<table>
<thead>
<tr>
<th>Self</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>55</td>
<td>7</td>
</tr>
</tbody>
</table>

What will you do when you have finished your medicines?

<table>
<thead>
<tr>
<th>Visit the doctor</th>
<th>Repeat prescription</th>
<th>Uncertain</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>43</td>
<td>2</td>
</tr>
</tbody>
</table>
9. Diet

Who decides what you should eat?

Self = 1  46  (74.2%)
Other = 2  16  (25.8%)  □

Do you know what diet you should follow?

Yes = 1  35  (58.3%)
No = 2  25  (41.7%)  □

Low cholesterol  42  (68.9%)
Low fat  44  (72.1%)
Low calorie  38  (63.9%)
Low salt  33  (54.1%)

10. Exercise

Are you doing regular exercise?

Yes = 1  27  (45.0%)
No = 2  33  (55.0%)  □

Do you know how much exercise you should be doing?

Target heart rate:

Yes = 1  10  (16.1%)
No = 2  52  (83.9%)  □

When to stop.

Yes = 1  8  (12.9%)
No = 2  55  (87.1%)  □

Who determines that you exercise?

Self = 1  58  (95.1%)
Others = 2  3  (4.9%)  □

11. Smoking
Are you smoking?

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>7</td>
<td>55</td>
<td>(11.3%)</td>
</tr>
</tbody>
</table>

If you are not smoking, who motivated you to stop smoking?

<table>
<thead>
<tr>
<th></th>
<th>Self</th>
<th>Other</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>46</td>
<td>8</td>
<td>(85.2%)</td>
</tr>
</tbody>
</table>

What do you know about smoking and your health?

Should stop

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>53</td>
<td>9</td>
<td>(85.5%)</td>
</tr>
</tbody>
</table>

Effect on cardiovascular system

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>33</td>
<td>28</td>
<td>(54.1%)</td>
</tr>
</tbody>
</table>

12. Do you suffer from stress:

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>29</td>
<td>33</td>
<td>(46.8%)</td>
</tr>
</tbody>
</table>

If yes:
Do you consider your life stressful at the present time?

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>27</td>
<td>29</td>
<td>(48.2%)</td>
</tr>
</tbody>
</table>

Is your life constantly stressful

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>21</td>
<td>36</td>
<td>(36.8%)</td>
</tr>
</tbody>
</table>

Why is your life stressful (specify)

<table>
<thead>
<tr>
<th></th>
<th>Work related</th>
<th>Family matters</th>
<th>Financial reasons</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>53.3%</td>
<td>23.8%</td>
<td>19%</td>
</tr>
</tbody>
</table>
13. Do you feel that the operation has cured you completely?

Yes = 1 38 (62.3%)
No = 2 23 (37.7%) □ 62

If no: Why not? □□ 63-64

Do not know : 7 (30.0%)
Still have symptoms : 8 (35%)

Will you have to do anything to stay well?

Yes = 1 42 (76.4%)
No = 2 13 (23.6%) □ 65

Comply with:

Medication 39 (78%) □ 66
Diet 37 (72.5%) □ 67
Smoking 33 (66.0%) □ 68
Exercise 33 (66.0%) □ 69
Other 5 (20.0%) □ 70
Specify:
Be happy 2 (0.03%) □ 71-72
Go on working 1 (0.02%)

CARD 2

14. For how long will you have to go on doing this?

For a while = 1 15 (24.6%)
For ever = 2 46 (75.4%) □ 5

15. Have you been feeling: depressed/moody

Not at all = 1 28 (45.9%)
Slightly, occasionally = 2 19 (31.1%)
Depressed = 3 3 (8.2%)
Quite often, quite severely = 4 5 (8.2%)
Severely depressed = 5 4 (6.6%) □ 6
16. Are you as active as before the operation?

<table>
<thead>
<tr>
<th>Same</th>
<th>17</th>
<th>(27.9%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>More</td>
<td>20</td>
<td>(32.8%)</td>
</tr>
<tr>
<td>Less</td>
<td>24</td>
<td>(39.3%)</td>
</tr>
</tbody>
</table>

How much do you weigh (kg)?

| 8 - 10 | 78.46 kg (range 45 - 114; SD± 14.8) |

17. How many times have you been to see your doctor in connection with your heart since you have been discharged from hospital?

| 11 - 12 | mean 2.08 (range 0 - 7; SD± 1.4) |

18. How many times have you been readmitted to the hospital since:

- Your operation?
  - Your operation?
    - mean 0.43 (range 0 - 3; SD± 0.7)

19. Has your sexual performance been altered by the operation?

<table>
<thead>
<tr>
<th>Yes = 1</th>
<th>30</th>
<th>(55.5%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No = 2</td>
<td>24</td>
<td>(44.4%)</td>
</tr>
</tbody>
</table>

Is it the same = 1

| Better = 2 | 8 | (15%) |
| Worse = 3   | 25 | (46%) |
QUESTIONNAIRE 4: SIX MONTHS POST-OPERATIVELY
TO SPOUSE/CARE-GIVER

CARD 3

☐ Six months post-operatively

Card no: 1 - 2

Case no: Spouses interviewed: n = 56 3 - 4

Date

Name

Tel. No.

1. Are you satisfied with the outcome of the operation?

Yes = 1 42 (77.8%)

No = 2 12 (22.2%) 5

If no: Why not? 6 - 7

Severe stress: 33.3%
Problems with sternum: 22.2%
Septic leg: 11.1%
Nothing wrong before: 11.1%

2. Do you know what diet the patient should follow?

Yes = 1 38 (77.6%)

No = 2 11 (22.4%) 8

Low cholesterol: 37 (69.8%)
Low fat: 39 (73.6%) 9
Low calorie: 34 (64.2%) 10
Low salt: 33 (62.3%) 11

- 12
3. Medication

How many medicines does pt take daily? □□ 13 - 14

mean 2.4 (range 0 - 11; SD± 2.2)

Name the medicines. No. known □□ 15 - 16

mean 1.15 (range 0 - 4; SD± 1.25)

What is the effect of each medicine? No. known □□ 17 - 18

average 1.21 (range 0 - 4; SD± 1.23)

What will patient do when medication is finished?

Visit doctor = 1 18 (34.6%)
Repeat prescription = 2 26 (50.0%)
Uncertain = 3 8 (15.4%) □ 19

4. Smoking

What do you know about smoking and health?

Should stop

Yes = 1 50 (92.6%)
No = 2 4 (7.4%) □ 20

Effect on cardiovascular system

Yes = 1 26 (49.1%)
No = 2 27 (50.9%) □ 21

5. Exercise

Do you know how much exercise the patient should be doing?

Amount of exercise

Yes = 1 9 (17.0%)
No = 2 44 (83.0%) □ 22
When to stop

Yes = 1  7  (13.2%)
No = 2  46  (86.8%)

6. Do you feel the operation cured the patient completely

Yes = 1  25  (46.3%)
No = 2  29  (53.7%)

If no:

Will patient have to do something else to stay well?
Should comply to:

Medication

Yes = 1  34  (65.4%)
No = 2  18  (34.6%)

Diet

Yes = 1  35  (66.0%)
No = 2  18  (34.0%)

Smoking

Yes = 1  33  (63.5%)
No = 2  19  (36.5%)

Exercise

Yes = 1  32  (61.5%)
No = 2  20  (38.5%)

Other

Yes = 1  0
No = 2  43

Specify

□□  30 - 31
7. Is patient as active as before the operation?

Same = 1  16  (30.8%)
More = 2  15  (28.8%)
Less = 3  21  (40.4%)

8. Does patient take full responsibility for his:

Diet
Yes = 1  28  (51.9%)
No = 2  26  (48.1%)

Smoking
Yes = 1  43  (81.1%)
No = 2  10  (18.9%)

Medication
Yes = 1  41  (75.9%)
No = 2  13  (24.1%)

Exercise
Yes = 1  24  (44.4%)
No = 2  30  (55.6%)

9. Is patient depressed/moody?

Not at all = 1  23  (43.4%)
Slightly, occasionally = 2  13  (24.5%)
Depressed = 3  8  (15.1%)
Quite often, quite severely = 4  7  (13.2%)
Severely depressed = 5  2  (3.8%)

10. How much does the patient weigh?

73.5kg (range 47 - 123; SD± 23.21)
11. How many times has the patient been back to see the doctor in connection with his heart since he left the hospital? □□ 41 - 42
   mean 3.98 (range 0 - 8; SD± 6.5)

12. How many times has the patient been readmitted to the hospital since he left the hospital? □□ 43 - 44
   mean 0.43 (range 0 - 2; SD±0.89)
QUESTIONNAIRE 5: ONE YEAR POST-OPERATIVELY TO PATIENT

CARD 1

Case no. □□ 1 - 2
Card no. □□ 3 - 4

Patients interviewed: n = 58

Tel no:

Date of interview:

Patient address

1. Are you satisfied with the outcome of the operation?
   
<table>
<thead>
<tr>
<th>Yes</th>
<th>47 (83.9%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>9 (16.1%)</td>
</tr>
<tr>
<td>If no: Specify</td>
<td></td>
</tr>
</tbody>
</table>

   Presence of symptoms: 7 (87.5%)
   Nothing wrong before the op: 1 (12.5%)

2. Have you returned to work?
   
<table>
<thead>
<tr>
<th>Yes</th>
<th>27 (48.2%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>29 (51.8%)</td>
</tr>
</tbody>
</table>

   If yes:
   
   Full-time = 18 (69.2%)
   Part-time employment = 8 (30.7%)

   If no: Why not?
   
   Pension = 20 (69.0%)
   Boarded = 3 (10.3%)
   Lost job = 2 (6.9%)
   Can’t find work = 0
   Ill-health = 2 (6.8%)
When do you think you will be able to go back (weeks) □ □ 17 - 18

3. Do you have angina?

| Yes  | = 1  | 14  | (25.0%) |
| No   | = 2  | 42  | (75.0%) |

If yes:

| Light, barely noticeable | = 1 | 7.7% |
| moderate bothersome      | = 2 | 53.8% |
| Severe, very uncomfortable| = 3 | 38.5% |
| Most severe pain ever experienced in the past | = 4 |    |

4. Do you suffer from fatigue?

1. worst tiredness one could expect to have
2. very tired, often 12 (22.2%)
3. tired 6 (11.1%)
4. slightly, occasionally 15 (27.8%)
5. never 21 (38.9%) □ 21

5. Do you suffer from breathlessness?

| Yes  | = 1  | 21  | (37.5%) |
| No   | = 2  | 35  | (62.5%) |
6. Do you suffer from any other symptoms

Yes  = 1  32  (58.2%)
No   = 2  23  (41.8%)

If yes: Specify

1. Problems with donor site of leg  = 9  (28.1%)
2. Painful sternum      = 6  (18.8%)
3. Sleeplessness         = 2  (5.7%)

7. Do you attend a Cardiac Rehabilitation Centre?

Yes  = 1   7  (12.5%)
No   = 2  49  (87.5%)

If yes, how did you hear about it?

Physiotherapist  = 1  2  (25%)
Doctor           = 2  1  (12.5%)
Friend           = 3  3  (37.5%)
Patient          = 4  2  (25.0%)

8. How many medicines do you take daily?

mean 2.98(range 0 - 8; SD± 1.6)

What are the names of the medicines? (no. known to patient)

mean 2.3(range 0 - 6; SD± 1.7)

What is the effect of each medicine?

mean 2.5(range 0 - 6; SD± 1.5)

Do you take your medicines regularly

Yes  = 1  50  (90.9%)
No   = 2  5   (9.1%)

Who decides that you should take your medicine?

Self  = 1  53  (94.6%)
Other = 2  3   (5.4%)
What will you do when you have finished your medicines?

<table>
<thead>
<tr>
<th>Option</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Visit the doctor</td>
<td>1</td>
<td>12.7%</td>
</tr>
<tr>
<td>Repeat prescription</td>
<td>48</td>
<td>87.3%</td>
</tr>
<tr>
<td>Uncertain</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

9. Diet

Who decides what you should eat?

<table>
<thead>
<tr>
<th>Option</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self</td>
<td>43</td>
<td>76.8%</td>
</tr>
<tr>
<td>Other</td>
<td>13</td>
<td>23.2%</td>
</tr>
</tbody>
</table>

Do you know what diet you should follow?

<table>
<thead>
<tr>
<th>Diet Type</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low cholesterol</td>
<td>41</td>
<td>74.5%</td>
</tr>
<tr>
<td>Low fat</td>
<td>39</td>
<td>70.9%</td>
</tr>
<tr>
<td>Low calorie</td>
<td>36</td>
<td>66.5%</td>
</tr>
<tr>
<td>Low salt</td>
<td>31</td>
<td>57.4%</td>
</tr>
</tbody>
</table>

10. Exercise

Are you doing regular exercise?

<table>
<thead>
<tr>
<th>Exercise Type</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>26</td>
<td>46.4%</td>
</tr>
<tr>
<td>No</td>
<td>30</td>
<td>53.6%</td>
</tr>
</tbody>
</table>

Do you know how much exercise you should be doing?

Target heart rate:

<table>
<thead>
<tr>
<th>Exercise Type</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>16</td>
<td>29.1%</td>
</tr>
<tr>
<td>No</td>
<td>39</td>
<td>70.9%</td>
</tr>
</tbody>
</table>

When to stop.

<table>
<thead>
<tr>
<th>Exercise Type</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>9</td>
<td>16.4%</td>
</tr>
<tr>
<td>No</td>
<td>46</td>
<td>83.6%</td>
</tr>
</tbody>
</table>
Who determines that you exercise?

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self</td>
<td>54</td>
<td>1</td>
</tr>
<tr>
<td>Others</td>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>

11. Smoking

Are you smoking?

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>8</td>
<td>48</td>
</tr>
<tr>
<td>No</td>
<td>48</td>
<td>8</td>
</tr>
</tbody>
</table>

If you are not smoking, who motivated you to stop smoking?

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self</td>
<td>36</td>
<td>11</td>
</tr>
<tr>
<td>Other</td>
<td>11</td>
<td>36</td>
</tr>
</tbody>
</table>

What do you know about smoking and your health?

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Should stop</td>
<td>49</td>
<td>7</td>
</tr>
<tr>
<td>Effect on cardiovascular system</td>
<td>33</td>
<td>23</td>
</tr>
</tbody>
</table>

12. Do you suffer from stress?

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>31</td>
<td>25</td>
</tr>
<tr>
<td>No</td>
<td>25</td>
<td>31</td>
</tr>
</tbody>
</table>

If yes:

Do you consider your life stressful at the present time?

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>25</td>
<td>25</td>
</tr>
<tr>
<td>No</td>
<td>25</td>
<td>25</td>
</tr>
</tbody>
</table>

Is your life constantly stressful?

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>18</td>
<td>32</td>
</tr>
<tr>
<td>No</td>
<td>32</td>
<td>18</td>
</tr>
</tbody>
</table>
Why is your life stressful (specify) □□ □□ 58-61

*Work related* = 13 (46.4%)
*Family* = 5 (17.9%)
*Financial* = 4 (14.3%)

13. Do you feel that the operation has cured you completely?
   - Yes = 1 38 (67.9%)
   - No = 2 18 (32.1%)

   If no: Why not? □□ 63-64
   - Painful sternum = 4 (26.7%)
   - Persistent symptoms = 6 (39.9%)

Will you have to do anything to stay well?
   - Yes = 1 35 (72.9%)
   - No = 2 13 (27.1%)

Comply with:
   - Medication 37 (82.2%)
   - Diet 36 (78.3%)
   - Smoking 38 (84.4%)
   - Exercise 31 (70.5%)
   - Other 5 □ 70
   - Specify: Go on working = 2
   - Be happy = 1

CARD 2

14. For how long will you have to go on doing this?
   - For a while = 1 16 (30.2%)
   - For ever = 2 37 (69.8%) □ 5
15. Have you been feeling: depressed/moody

<table>
<thead>
<tr>
<th>Feeling</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not at all</td>
<td>1</td>
<td>28 (50.0%)</td>
</tr>
<tr>
<td>Slightly, occasionally</td>
<td>2</td>
<td>14 (25.0%)</td>
</tr>
<tr>
<td>Depressed</td>
<td>3</td>
<td>7 (12.5%)</td>
</tr>
<tr>
<td>Quite often, quite severely</td>
<td>4</td>
<td>5 (8.9%)</td>
</tr>
<tr>
<td>Severely depressed</td>
<td>5</td>
<td>2 (3.6%)</td>
</tr>
</tbody>
</table>

16. Are you as active as before the operation?

<table>
<thead>
<tr>
<th>Activity Status</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Same</td>
<td>1</td>
<td>16 (28.6%)</td>
</tr>
<tr>
<td>More</td>
<td>2</td>
<td>20 (35.7%)</td>
</tr>
<tr>
<td>Less</td>
<td>3</td>
<td>20 (35.7%)</td>
</tr>
</tbody>
</table>

How much do you weigh (kg)?

79.29kg (range 47 - 125; SD± 14.7)

17. How many times have you been to see your doctor in connection with your heart since you have been discharged from hospital?

mean 4.3 (range 0 - 12)

18. How many times have you been readmitted to the hospital since:

Your operation?

mean 0.6 (range 0 - 4)

19. Has your sexual performance been altered by the operation?

<table>
<thead>
<tr>
<th>Performance Status</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>1</td>
<td>15 (31%)</td>
</tr>
<tr>
<td>No</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Is it the same</td>
<td>1</td>
<td>15 (31%)</td>
</tr>
<tr>
<td>Better</td>
<td>2</td>
<td>12 (25%)</td>
</tr>
<tr>
<td>Worse</td>
<td>3</td>
<td>21 (44%)</td>
</tr>
</tbody>
</table>
QUESTIONNAIRE 5: ONE YEAR POST-OPERATIVELY
TO SPOUSE/CARE-GIVER

CARD 3

☐ One year post-operatively

Card no: □□ 1 - 2
Case no: Spouses interviewed: n = 50 □□ 3 - 4
Date □□□□□□
Name
Tel. No.

1. Are you satisfied with the outcome of the operation?

Yes = 1 41 (85.4%)
No = 2 7 (14.6%) □ 5

If no: Why not?
Patient still has symptoms = 3
Personality completely changed = 1

2. Do you know what diet the patient should follow?

Yes = 1 32 (76.2%)
No = 2 10 (23.8%) □ 8

Low cholesterol 40 (87.0%)
Low fat 41 (87.2%)
Low calorie 30 (63.8%)
Low salt 30 (65.2%) □ 9

3. Medication

How many medicines does patient take daily?
mean 2.06(range 0 - 7; SD± 1.95)
Name the medicines No. known
mean 1.27(range 0 - 7; SD± 1.77)
What is the effect of each medicine? No, known

Mean 1.22 (range 0 - 6; SD± 1.67)

What will patient do when medication is finished?

Visit doctor = 1 6 (13.0%)
Repeat prescription = 2 32 (69.6%)
Uncertain = 3 8 (17.4%)

4. Smoking

What do you know about smoking and health?

Should stop

Yes = 1 45 (93.8%)
No = 2 3 (6.3%)

Effect on cardiovascular system

Yes = 1 25 (52.1%)
No = 2 23 (47.9%)

5. Exercise

Do you know how much exercise the patient should be doing?

Amount of exercise

Yes = 1 12 (25.5%)
No = 2 35 (74.5%)

When to stop

Yes = 1 6 (12.8%)
No = 2 41 (87.2%)

6. Do you feel the operation cured the patient completely

Yes = 1 27 (56.3%)
No = 2 21 (43.8%)
If no:

Will patient have to do something else to stay well?  
Should comply to:

Medication

Yes  = 1  31  (77.5%)
No   = 2  

Diet

Yes  = 1  32  (82.1%)
No   = 2  

Smoking

Yes  = 1  30  (67.5%)
No   = 2  

Exercise

Yes  = 1  27  (67.5%)
No   = 2  

Other

Yes  = 1  6   (19.4%)
No   = 2  

Specify:

Visit doctor  =  1
Be happy      =  1

7.  Is patient as active as before the operation?

Same  = 1  11  (23.4%)
More  = 2  20  (42.6%)
Less  = 3  16  (34.0%)
a. Does patient take full responsibility for his:

<table>
<thead>
<tr>
<th>Diet</th>
<th>Yes = 1 29 (60.4%)</th>
<th>No = 2 19 (39.6%)</th>
</tr>
</thead>
</table>

Smoking

| Yes  = 1 37 (80.4%) | No = 2 9 (19.6%) |

Medication

| Yes  = 1 39 (81.3%) | No = 2 9 (18.8%) |

Exercise

| Yes  = 1 22 (45.8%) | No = 2 26 (54.2%) |

9. Is patient depressed/moody?

| Not at all = 1 17 (35.4%) | Slightly, occasionally = 2 13 (27.1%) |
| Depressed = 3 8 (16.7%) | Quite often, quite severely = 4 8 (16.7%) |
| Severely depressed = 5 2 (4.2%) |

10. How much does the patient weigh?

average 78.52kg (range 47 - 125; SD± 21.12)

11. How many times has the patient been back to see the doctor in connection with his heart since he left the hospital?

mean 3.31 (range 0 - 12; SD± 2.25)

12. How many times has the patient been readmitted to the hospital since he left the hospital?

mean 0.30 (range 0 - 2; SD± 0.59)
QUESTIONNAIRE 6: MEDICAL AND SURGICAL INFORMATION
PATIENTS

Name of patient:

1. Case Number □ □ 1 - 2
2. Card Number □ □ 3 - 4

Cardiac Catheterization: Date □ □ □ □ □ □ □

Name of Cardiologist:

3. Vessels involved:

Left main coronary artery

Yes = 1 10 (14.5%)
No = 2 58 (86.5%)
% stenosis □
(average) 54%

Left ant. descending artery

Yes = 1 60 (83.3%)
No = 2 12 (16.7%)
% stenosis mean 81.37%

Diagonal

Yes = 1 29 (40.8%)
No = 2 42 (59.2%)
% stenosis mean 81.75%

Circumflex artery

Yes = 1 17 (23.9%)
No = 2 54 (76.1%)
% stenosis mean 77.4%
Obtuse marginal

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>% stenosis</td>
<td>54.8%</td>
<td></td>
</tr>
</tbody>
</table>

Right coronary artery

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>% affected</td>
<td>84.73%</td>
<td></td>
</tr>
</tbody>
</table>

Post descending artery

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>% affected</td>
<td>10%</td>
<td></td>
</tr>
</tbody>
</table>

4. Ejection fraction (%): mean: 51%

5. Vessels involved: mean: 2.83(range 1 - 5)

6. Diagnosis: See Appendix III

OPERATIVE PROCEDURE

7. Donor site:
   Saphenous vein:

<table>
<thead>
<tr>
<th></th>
<th>Left</th>
<th>Right</th>
<th>Both</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>23</td>
<td>26</td>
<td>20</td>
</tr>
</tbody>
</table>

Internal Mammary Artery:

<table>
<thead>
<tr>
<th></th>
<th>Left</th>
<th>Right</th>
<th>Both</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>48</td>
<td>1</td>
<td>4</td>
</tr>
</tbody>
</table>

Number of vessels bypassed

<table>
<thead>
<tr>
<th></th>
<th>Left</th>
<th>Right</th>
<th>Both</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
</tr>
</tbody>
</table>

2.84(range 1 - 5)
8. Bypass Time: (mins)  
   mean 111.39(range 32 - 514)  
   DOD 42-44

9. Aortic cross clamp time: (mins)  
   mean 55.5(range 14 - 117)  
   DOD 45-47

RECOVERY PERIOD

10. Days in I.C.U.  
    mean 3.69  
    48 - 49

Complications

Yes = 1  43 (58.9%)  
No = 2  30 (41.1%)  
50

a) Pulmonary complications

Yes = 1  24 (32.9%)  
No = 2  49 (63.9%)  
51

b) Cardiac complications

Yes = 1  26 (36.1%)  
No = 2  46 (63.9%)  
58

11. Days in WARD  
    mean 7.34(range 2 - 17)  
    5 - 7

a) Pulmonary complications

Yes = 10  9- 
Specify: Pneumonia; atelectasis  
-14
b) Cardiac complications

Yes = 9
Specify: Balloon pump; cardiac arrhythmias

12. Functional test:

Yes = 1
No = 2

13. Cholesterol levels:

Yes = 1
No = 2
(no detail available)

14. FUNCTIONAL ASSESSMENT
Stress test

Card no.

Case no.

RESULTS
Pre-operatively
Positive stress test

Yes = 1
No = 2
Protocol:

Bruce = 1  11
Chung = 2  1
Other = 3  □  6

No of stages  mean 2.3  □  7

Weight (kg)  78.5  □□□□  8 - 10

Resting B.P.  systolic  mean 146  □□□□  11 - 13
diastolic  mean 80.63  □□□□  14 - 16

Resting pulse rate:  mean 70.5  □□□□  17 - 19

Duration of test: min.  mean 5.86  □□□□  20 - 21
Peak METs  □□□□  22 - 24

B.P. diastolic (max)  mean 126.5  □□□□  25 - 27
systolic (max)  mean 134.00  □□□□  28 - 30
Pulse rate (max)  mean 144  □□□□  31 - 33

Reason for stopping the test.

Specify:  □□□□□□  34-37

exhaustion  =  3
angina  =  1
dyspnoea  =  1

E.C.G. changes:

Yes  = 1  7
No  = 2  □  38

If yes:
during the test.  □  39
during the recovery phase.  □  40

ST segment depression  Information not available

Yes  = 1
No  = 2  □  41
Onset: *Inadequate information available*

<table>
<thead>
<tr>
<th>Onset</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>early</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>late</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

Duration (mins) |   | 44; 45
Magnitude (mm)  |   | 46; 47

Arrhythmias: *Inadequate information available*

<table>
<thead>
<tr>
<th>Arrhythmias</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

If yes:

- during the test. |   | 49
- during the recovery phase. |   | 50

Specify: *Inadequate information available* |   | 51–4

15. **SERUM CHOLESTEROL CONCENTRATIONS**

Measured: pre-operatively

<table>
<thead>
<tr>
<th>Measured</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

Serum cholesterol concentrations: *mean 6.37mmol/l* |   | 56–58
APPENDIX II

GUIDE FOR COMPLETING THE QUESTIONNAIRES

The following are the coded responses for the six different questionnaires. Questionnaires will be identified by Q followed by the number of the questionnaire and this in turn will be followed by the number of the specific question on the identified questionnaire. An example would be: What sport did you play at school? specify (Q2; 4). This means that it is the fourth question on questionnaire 2. Patient had to specify the type of sport they participated in and this was coded for analysis.

Questionnaire 1

Referral Centre (Q1; 12)

Other? (specify)
1 = directly to surgeon
2 = private hospital emergency service
3 = directly from private clinic to private surgeon.

Occupation (Q1; 13)

Can be more than one option
Limit 2


**Questionnaire 2**

**Risk Factors**

**Physical activity: (Q2; 4)**

Numbers assigned to sporting activities

01 = cricket
02 = rugby
03 = soccer
04 = hockey
05 = swimming
06 = water polo
07 = golf
08 = ice hockey
09 = gymnastics
10 = athletics
11 = walking
12 = table tennis
13 = tennis
14 = karate
15 = boxing
16 = cycling
17 = body-building
18 = basketball
19 = baseball
20 = wrestling
21 = sailing
22 = squash
23 = bowls
24 = javelin
25 = netball
26 = jogging
27 = gym, aerobics and circuit training
28 = horse-riding
29 = football
30 = rehabilitation programme
31 = running (marathon)
32 = angling

FAMILY MEDICAL HISTORY

CAUSE OF DEATH (SPECIFY) (Q2; 5)
01 = heart attack
02 = cardiac arrythmia
03 = bypass
04 = high cholesterol
05 = stroke
06 = CCF

CAUSES OF STRESS (Q2;6)
01 = work related
02 = family
03 = people
04 = personality trait
05 = political situation
06 = old CVA
07 = divorce
08 = poor health
09 = financial
10 = separated from wife
11 = demoted and not working
12 = life very quiet but has to go on
13 = can't do as much as before
14 = life in general
15 = no job
16 = damaged vocal chords
17 = intermittent claudication, afraid he may lose his legs

**QUESTIONNAIRE 3**

What other symptoms brought you to doctor? (Q3; 1-26)

01 = pain
02 = stroke
03 = thyroid
04 = diabetes
05 = flatulence
06 = pain in the neck
07 = hiatus hernia
08 = allergy (skin)
09 = problems with leg (painless leg (donor site))
10 = painful sternum
11 = depression
12 = high cholesterol
13 = cardiac failure
14 = arrhythmia
15 = numbness of hands and feet
16 = knees (orthopaedic problem)
17 = irritable
18 = asthma
19 = nausea and sweating
20 = painful shoulder
21 = heaviness in chest
22 = sleeplessness
23 = old DVT
24 = biventricular cardiac failure
25 = hypertension
26 = CA Prostate
27 = grafts of previous bypass failing
28 = water retention; swollen feet
29 = MVA
30 = shingles
31 = gout
32 = diverticulitis
33 = hernia operation
34 = painful arm
35 = calcaneal spurs
36 = hypotension
37 = glaucoma
38 = renal
39 = arthritis
40 = MI
41 = 'flu'
42 = emergency surgery infected sternum
43 = post-operative (after cervical fusion)
44 = Post-operative thrombosis
45 = COPD
46 = Spinal problems
47 = pneumoconiosis
48 = severe breathlessness
49 = multiple MI
50 = impotence
51 = allergies
52 = problems with voice
53 = bronchitis and sinusites
54 = wound sepsis
55 = ulcerative colitis
56 = headaches
57 = intermittent claudication
Medical history: (Q3; 2b)
site of infarction
1 = inf. aspect of the left ventricle
2 = ant infarct
3 = central infarction
4 = inferolateral aspect

What are you going to do to stay well when you go home (Q3; 8)
01 = stop smoking
02 = walking
03 = exercising
04 = return to sporting activities
05 = diet
06 = take it easy
07 = give up business lunches
08 = do the same as I've always done
09 = pace myself
10 = reduce alcohol intake
11 = join rehabilitation programme
12 = change life style
13 = regular check ups
14 = avoid annoying people
15 = read
16 = visit friends
17 = what they tell me --If they tell me
18 = take a holiday
19 = be active at home
20 = enjoy myself
21 = retire
22 = everything that I possibly can
23 = look after myself
Who is your cardiothoracic surgeon? (Q3; 9)
1 = Kinsley
2 = Girdwood
3 = Wessels (partner of dr Girdwood)
4 = Sussman (Martin) (JHB hospital)
5 = Johannesburg Hospital

Who is your physician? : (Q3; 10)
01 = Gale
02 = Khan
03 = Steingo
04 = Sender
05 = McKibben
06 = Deseta
07 = King
08 = Stanley
09 = Manga
10 = Obel
11 = Baragwanath Hospital cardiac clinic
12 = Johannesburg hospital cardiac clinic
13 = Kalil
14 = Essop
15 = Dalby
16 = Cassel
17 = Schamroth
18 = Herbst
19 = Mathews
20 = Pohl
21 = Spilken
22 = Benjamin

**QUESTIONNAIRE 4**

Not satisfied with the outcome of the operation (specify) (Q4; 1)

01 = prolonged original admission
02 = readmission for problems with sternum
03 = sternum not united
04 = painful chest
05 = been through the most difficult time of our lives.....severe emotional stress
06 = septic leg
07 = patient is still very ill
08 = wasn't anything wrong before the operation
09 = better before the operation
10 = still has symptoms
11 = “buggered” one leg
12 = pair in L arm
13 = doesn’t feel well always
14 = RHD calcification of the valves
15 = many, many problems
16 = damaged vocal chords
17 = totally changed person (cardiac arrest)
18 = wound sepsis
19 = had an aortic bypass six months after the CABG surgery

**NOT RETURNED TO WORK (SPECIFY) (Q4 and 5;2)**

1 = retired
2 = unemployed
3 = boarded
4 = emotionally unstable: not well
5 = had stroke
6 = medically unfit
7 = demoted
8 = retrenched
9 = on pension
10 = can’t work because of leg

Do you suffer from any other symptoms? (Q4; 6)
Same numbers as in Questionnaire 3

Smoking? (Q4; 11)
Even if the patient never smoked this question still has to be filled in
We are interested in the knowledge of smoking.

Do you consider the operation a cure? If no specify why not (Q4; 13)

01 = chronic disease
02 = persistent symptoms
03 = doesn’t know
04 = persistent elevated cholesterol
05 = mechanical intervention only
06 = arrhythmia
07 = non-united sternum
08 = always tired
09 = getting older
10 = only helps
11 = not the same person
12 = will have to stay away from red meat
13 = symptoms have returned
14 = pain at operation site
15 = doesn’t have any strength
16 = never knew he had a problem.........now has many
Will you have to do anything to stay well? (Q4; 14)
This must be considered a separate question
y = 1
no = 2
If yes fill in the options (same as for Q3; 8)

QUESTIONNAIRE 4 : SPOUSE'S RESPONSE

Dissatisfaction with the outcome of the operation [Q4 (spouse); 1]

Same responses as for patient (page 327)

WILL THE PT HAVE TO DO ANYTHING TO STAY WELL? [(Q4 SPOUSE); 6]
(page 296)

Medical Information (Q6; 5)
Diagnosis:
Specify
01 = 1 vessel disease
02 =  2"  "
03 = 3  "  "
04 = 4  "  "
05 = 5  "  "
06 = dominant right coronary artery
07 = biventricular failure
08 = uncontrolled hypertension
09 = poor systolic left ventricular function.
10 = good ventricular function
11 = blocked Left main
12 = intractable ischaemia
13 = hypertension
14 = old MI
15 = R ventricle sluggish
16 = intra-operative cardiac arrest
17 = unstable ischaemia
18 = hypercholesterolaemic
19 = IABP
20 = endarterectomies required
21 = RCA dominant diffusely diseased not bypassed
22 = severe CAD
23 = 2nd Bypass, all vessels occluded
24 = postero-lateral ischaemia
25 = CA thyroid
26 = RHD
27 = recent onset angina
28 = hypertriglycerademia
29 = ongoing ischaemia
30 = directly to theatre from the catheterisation lab
31 = acute infarction
32 = recent MI
33 = progressive ischaemia
34 = recent MI with cardiac arrest

**PULMONARY COMPLICATIONS** (Q6; 10A AND 10B)

01 = pneumonia
02 = consolidation
03 = collapsed lung
04 = raised hemidiaphragm
05 = atelectasis
06 = persistent bronchospasm
07 = dehisced sternum....all wires broken
08 = ronchi both lungs
09 = decreased air entry into bases
10 = lung not re-expanded  persistent drain
11 = pneumoconiosis
12 = difficult to wean from the ventilator
13 = tracheostomy
14 = SOB Oxygen dependent
15 = electively ventilated

CARDIAC COMPLICATIONS (Q6; 10B; 11B)

01 = cardiac failure
02 = balloon pump
03 = cardiac arrhythmias
04 = cardiac tamponade
05 = non patent graft
06 = intra-operative myocardial infarct
07 = hypotension
08 = bradycardia.
09 = hypertension
10 = atrial fibrillation
11 = angina
12 = haemodynamically unstable
13 = pericardium left open
14 = ventricular fibrillation
15 = ascites
16 = cardiac arrest intra-operatively
17 = pulmonary oedema
18 = bleeding from RCA Intra-operatively
19 = LAD
Other complications (Q6; 10c; 11c)

ICU or ward
01 = Renal failure
02 = CVA
03 = Diabetic compl.
04 = non healing of the donor areas on the leg
05 = painful thorax
06 = Frozen shoulder
07 = fluid retention
08 = excessive oozing
09 = kidney failure
10 = sepsis
11 = problems with vocal chords
12 = confusion
13 = mullet-organ failure
14 = unstable sternum

Reasons for stopping the Exercise test (Q6; 14)

01 = arm numb and jerking
02 = very dizzy
03 = exhaustion
04 = angina
05 = dyspnoea

Medication
01 = Dispirin
02 = antihypertensive drugs
03 = antidepressant
04 = cholesterol lowering drug
05 = respiratory drugs
06 = for fluid retention
07 = for NIDDM
08 = Thyroid drugs
09 = vasodilation
10 = cardiac failure
11 = Zantac ant-acid
APPENDIX III

BODY MASS INDEX

<table>
<thead>
<tr>
<th>BMI</th>
<th>&lt; 24</th>
<th>24-30</th>
<th>&gt; 30</th>
<th>total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Improved quality of life</td>
<td>3</td>
<td>10</td>
<td>4</td>
<td>17</td>
</tr>
<tr>
<td>No improved quality of life</td>
<td>7</td>
<td>22</td>
<td>10</td>
<td>39</td>
</tr>
<tr>
<td>total</td>
<td>10</td>
<td>32</td>
<td>14</td>
<td>56</td>
</tr>
</tbody>
</table>

Chi-square value = 0.034, df = 2; p = 0.983

No significant differences in BMI were found.
UNIVERSITY OF THE WITWATERSRAND, JOHANNESBURG

Division of the Deputy Registrar (Research)

COMMITTEE FOR RESEARCH ON HUMAN SUBJECTS (MEDICAL)

Ref: R14/48 (Registry)

CLEARANCE CERTIFICATE

PROJECT: AN INVESTIGATION INTO THE FACTORS THAT MAY PREDICT THE OUTCOME OF SUCCESSFUL REHABILITATION IN PATIENTS WHO HAVE UNDERGONE CORONARY ARTERY BYPASS SURGERY WHEN ASSESSED AT THREE MONTHS AND ONE YEAR POST-OPERATIVELY

INVESTIGATORS: MRS CJ EALES

DEPARTMENT: PHYSIOTHERAPY, MEDICAL SCHOOL

DATE CONSIDERED: 25 SEPTEMBER 1982

RECOMMENDATION OF THE COMMITTEE: APPROVED

DATE: 25 SEPTEMBER 1982

* Guidelines for written "informed consent" attached where applicable.

DECLARATION OF INVESTIGATOR(S)

To be completed in duplicate and ONE COPY returned to Miss Sharon Boshoff at Room 10-C12, 10th Floor, Senate House, University.

I/we fully understand the conditions under which I am/we are authorized to carry out the abovementioned research and I/we guarantee to ensure compliance with these conditions. Should any departure to be contemplated from the research procedure as approved I/we undertake to resubmit the protocol to the Committee.

DATE: .................. SIGNATURE: ..........................