

1937 Austin State Hospital  
Pilot Study with Insulin Potentiation Therapy  
In the Treatment of Tertiary Neurosyphilis

Donato Perez Garcia, Sr., MD



W. C. W. STATE HEALTH OFFICER  
AUSTIN, TEXAS

[illegible]

Sincerely yours,

Austin, Texas  
September 22, 1937

Dr. Chas. W. Castner  
Chief (word obscured) Division  
State Board of Control  
Austin, Texas

Dear Dr. Castner,

I take the pleasure in confirming to you my verbal report of yesterday about the results contained on the ten cases treated by insulin-therapy at the Austin State Hospital in this city by which I took care, upon the kind interest of Governor James V. Alfred and yourself, with the.... assistance of Dr. H. C. Stardlfer, superintendent of the hospital and his staff.

As you know, ten cases were elected by the authorities of the hospital for a demonstration of my technique. All of them diagnosed as general paralysis of the insane. In every instance the definite purpose of the treatment consisted of trying to obtain a reversal of the spinal fluid reaction.

For my being short of time because I have to leave for the Eastern States of this country, the demonstration must be considered complete in only eight of the cases because two of them –two negro girls reported for treatment at the end of August –couldn't receive complete treatment.

Out of these eight remaining cases, one was not expected to report satisfactory results unless he might receive more treatment, as I was able to give only nine sessions in total—my technique averaging from eight to twelve sessions. Another case was dropped on account of having developed high fever during treatment; consequently, he had only received six sessions and was considered incomplete.

The list of the cases, using the second name of the patient, is as follows:

1. Minton
2. Georgi (needs more treatment)
3. Cunningham (female)
4. Graham (female)
5. Collins
6. Washington
7. Walker
8. Mayberry (female)
9. Brown (female)
10. Williams (dropped for sickness, developed during treatment)

I detail as follows every one of the above mentioned cases on which a spinal fluid report was secured on September 21, 1937 by generous cooperation from Dr. G. M. Graham, with laboratory office in the Norwood Building in this city.

Case 1. Minton (Hosp. num. 16295). Admitted to the Hospital on January 15, 1937. Mentally deteriorated for the past three years. Malaria, chemicals, during eight months. Spinal slightly positive, on June 17, 1937. Blood also. Submitted for reversal of spinal fluid reaction. Fifty-one-day treatment. Nine sessions. Spinal fluid reported reversed and absolute negative on September 21, 1937.

Case 2. Georgi. (Hosp. case number 16390). General paralysis of the insane. Admitted to the Hospital March 30, 1937. Sick for years before. Malaria, neo, other chemicals. Spinal and blood strongly positive on June 17, 1937. Submitted for reversal of spinal fluid reaction. Fifty-one-day treatment. Nine sessions. Spinal reported reversed in part. He was not treated otherwise, because it is considered that he needs a longer treatment.

Case 3. Cunningham. (white female) (Hosp. case number 15280). General paralysis of the insane. Admitted to the Hospital on Feb. 13, 1934. Mentally sick for years before. During more than three years she received malaria, chemicals and so forth. Spinal and blood positive on July 8, 1937. Submitted for reversal of spinal fluid reaction. Fifty-one-day treatment... Nine sessions. Spinal reported entirely negative on September 21, 1937.

Case 4. Graham. (white female). Hosp. case number 15544). G. P. Admitted to Hospital on January 10, 1935. For more than two years she got malaria, chemical, etc. Spinal and blood slightly positive on July 8, 1937. Submitted for reversal of spinal fluid reaction. Fifty-one-day treatment. Nine sessions. Spinal reported absolutely reversed on September 21, 1937.

Case 5. Collins (Hosp. case number 16159) G. P. of the I. Admitted to Hosp. on July 21, 1936. He had dyathermia, and the usual chemicals. Spinal and blood reaction positive on April 8, 1937. Subm. For reversal of spinal fluid reaction for special interest in shortening his stay in the hospital. Forty-nine-day treatment. Nine sessions. Spinal reported absolutely negative on Sept. 21, 1937.

Case 6. Washington. (Hosp. case number 14301) G.P. of the I. Admitted to Hospital on December 10, 1934. Exceptionally typical case. Treated for more than five years. Received malaria, dyathermia, chemical in great amounts. Has been treated without interruption since admission to Hospital. Spinal and blood strongly positive on June 3, 1937. Case submitted for spinal reversal especially because its stubborn conditions. Fifty-one-day treatment. Nine sessions. Spinal reported negative to gold colloidal and weakly positive to Wassermann. Glob negative. Cells, 1. September 21, 1937. Because of the discrepancy of such report it is advisable to repeat extraction of spinal fluid for checking. Result seems doubtful with fifty per cent of the chances to be reported the spinal fluid reaction reversed if examination is repeated.

Case 7. Walker. (Hosp. case number 16348). G.P. of the I. Admitted March 8, 1937. Had had relapsing fever, plus chemical. Spinal and blood strongly positive on March 11, 1937. Reported for spinal fluid reaction reversed. This cure was considered dangerous for disturbances observed in liver and heart. Consequently, small doses were used with every precaution. Was not expected a favourable result. Nevertheless, spinal fluid was reported negative on September 21, 1937. Perhaps it is advisable to report extraction of spinal to recheck, with a large per cent of the chances on the favorable.

Case 8. Mayberry. (Hosp. case number 16510). g.p.of the i. Admitted recently on August 1937, when the rest of the people submitted to treatment were already on the fourth session. Treatment incomplete. Spinal and blood strongly positive on date of admission. Even though as nothing favourable was expected on account of insufficient treatment, spinal was reported improved on Sept. 21, 1937.

Case 9. Brown. (Hosp. Case number 16468). G.P. of the I. Admitted to Hospital on August 1937. Treatment incomplete. Spinal and blood strongly positive when admitted. Nothing favourable expected for insufficient treatment. Nevertheless, spinal has been reported improved on September 21, 1937.

I think that under the circumstances and taking in consideration the short time at my disposal,

we might consider the treatment a definite success. Out of five of the cases which I could consider properly treated, even though I didn't reach the maximum of sessions (twelve), --as it should be, recommendable on account of the stubbornness of the cases themselves, the total of such five cases resulted with a spinal fluid reversal, with the most favourable condition. The rest of the cases behave logically in proportion with the time given to them and in accordance with the technique employed.

In reporting to you the above detail of my work, I take pleasure in expressing to you my deep appreciation of the many courtesies extended to me by you and of the facilities given for this scientific demonstration by Governor James V. Allred, you and the staff of the Austin State Hospital. I am grateful too, to Dr. C. H. Standlfer, superintendent of the hospital and his staff for his splendid cooperation, and to Dr. S.W. Bohls, head of the Pasteur Institute for his interest and assistance and to Dr. G. M. Graham, as mentioned before, for his generous services.

Please convey to Governor Allred the expression of my respect and highest esteem.

I remain,

Cordially yours,

(signed) Dr. Donato Perez Garcia

# Collins

Case No. 16159 (C. E.) Age: 25 Male

Diagnosis: General Paralysis of the Insane.

Treatment Received:

Malaria .....  
 Relapsing Fever .....  
 Diathermy 1—15—37 .....  
 Chemicals (Tryp, 15 doses Bism. 23 doses Mer. 12 Neo. ....) ..... completed.

Laboratory Findings:

A. Date of admission:

August 7 1936: Blood Wassermann: 4 4 4 Kahn: 4 4 4  
 August 4 1936: Spinal: 3 2 0  
 Lange: 3 3 3 2 2 0 0 0 0  
 Globulin: Very faint increase  
 Cell Count: 8

AUSTIN STATE HOSPITAL ..... M. D. July 30, 1937.

Insulin-therapy: series treatments by Dr. Donato Pérez García.

Beginning: July 30, 1937.

Number of treatments administered: 9  
 Insulin total amount: 138  
 Total of Chemicals given: 3.00 gms. Neo.  
 0.155 gms. Mercury.  
 0.09 gms. Bismuth.  
 6.00 gms. Calcium.  
 1.50 gms. Iodid.

Time of Treatment: 49 days.

RESULTS: Spinal: Wassermann 0 0 0 0 0  
 Colloidal Gold: 0 0 0 0 0 0 0 0  
 Globulin: Negative  
 Cell Count: 1

G. M. Graham, M. D.  
 Northwood Bldg.  
 Austin, Tex.

Austin, Texas, sept. 16, 1937.

AUSTIN STATE HOSPITAL

Dr. Donato Pérez García

Graham

Case No. 15544 (O. G.) Age. 36 Female.

Diagnosis: General Paralysis of the Insane.

Treatment Received:

Malaria: Malaria .....  
Relapsing Fever .....  
Diathermy .....

Chemicals (Tryp. 34 doses Bis. 33 doses Mer. 30 doses Neo. 30.10 gms.) completed.  
Laboratory Findings:

A. Date of admission:

January 10, 1937: Blood Wassermann: 4 4 4 Kahn: 4 2 2  
....., 193.. Spinal: 4 4 4  
Langes: 5 5 5 5 5 5 5 5 3  
Globulin: Moderate increase  
Cell Count: 24

AUSTIN STATE HOSPITAL ..... M. D. July 30, 1937

Insulin-therapy series treatments by Dr. Donato Pérez García.

Beginning: July 30, 1937.

Number of treatments administered: 9

Insulin total amount: ..... 100 units

Total of Chemicals given: ..... 2.50 gms. Neo.  
0.125 gms. Mercury.  
0.09 gms. Bismuth.  
6.00 gms. Calcium.  
1.50 gms. Iodid.

Time of Treatment: 51 days.

RESULTS: Spinal: Wassermann 0 0 0 0 0

Colloidal Gold: Negative

Cell Count: 1

G. M. Graham, M. D., .....

Clinical Test: .....  
.....

Austin, Texas, Sept. 21, 1937.

AUSTIN STATE HOSPITAL

Dr. Donato Pérez García

Brown

Case No. 16468

(M. B.)

Age 22

Female.

Diagnosis: General Paralysis of the Insane.

Treatment Received:

Malaria .....

Relapsing Fever .....

Diathermy .....

Chemicals (Tryp.      Bla.      Mer.      ) ..... completed.

**Laboratory Findings**

A Date of admission:

August 1937: Blood Wassermann: 4 4 4      Kahn 4 4 4

Spinal: 4 4 3

Langes: 5 5 5 5 5 5 4 3 2

Globulin: Small increase

Cell Count: 4

B. Date of last report:

..... 193..

193.. Blood Wassermann: ..... Kahn .....

Spinal:

Langes:

Globulin:

Cell Count:

AUSTIN STATE HOSPITAL ..... M. D. .... 193

Insulin-therapy series treatments by Dr. Donato Pérez García.

Beginning: August 23 1937

Number of treatments administered: 5

Insulin total amount: ..... 105 units

Total of Chemicals given: ..... 1.80 gms. Neo

0.09 gms. Mercury

0.05 gms. Bismuth

1.00 gms. Calcium

1.50 gms. Iodid

Time of Treatment: 25 days.

**RESULTS:**

Spinal: Wassermann 4 4 2 0 0

Colloidal Gold: 5 5 5 5 4 2 0 0 0 0

Globulin: positive

Cell Count: 7

G. M. Graham. M. D. (Rúbrica)

Clinical Test: .....

.....  
Austin, Texas. Sept. 16, 1937

AUSTIN STATE HOSPITAL

Dr. Donato Pérez García

(Rúbrica)



Case No. 15280 (L. C.) Age: 38 Female

Diagnosis: General Paralysis of the Insane.

**Treatment Received:**

Malaria Three Malaria treatments  
Relapsing fever .....  
Diathermy .....  
Chemicals (Tryp. 48 doses Bis. 47 doses Mer. 44 doses Neo 15.10 gms. completed.

**Laboratory Findings**

A. Date of admission:

February 13 1934: Blood Wassermann: 4 4 4 Kahn: 1 1 1  
..... 193...: Spinal: 4 4 4  
Langes: 5 5 5 5 5 5 3 2 1  
Globulin: Moderate increase  
Cell Count: 8

AUSTIN STATE HOSPITAL ..... M. D. July 30, 1937

**Insulin-therapy** series treatments by Dr. Donato Pérez García.

Beginning: July 30, 1937

Number of treatments administered: 9  
Insulin total amount: ..... 119 units  
Total of Chemicals given: ..... 3.00 gms. Neo.  
0.14 gms. Mercury.  
0.09 gms. Bismuth.  
6.00 gms. Calcium.  
1.50 gms. Iodid.

Time of Treatment: ..... 51 days.

**RESULTS:**  
Spinal: Wasserman 0 0 0 0 0  
Colloidal Gold: 0 0 0 0 0 0 0 0 0  
Globulin: Negative  
Cell Count: 1

G. M. Graham, M. D. (Rúbrica)

Clinical Test: .....  
.....

Austin, Texas, Sept. 21, 1937.  
AUSTIN STATE HOSPITAL  
Dr. Donato Pérez García,  
(Rúbrica)

Case No. 16295 (Minton, W. J.)

Age: 28

Male

Diagnosis: General Paralysis of the Insane.

Treatment Received:

Malaria 3—34—37 .....  
Relapsing Fever .....  
Diathermy .....  
Chemicals (Tryp. 17 doses Bis. 17 doses Mer. Neo. 2 doses..... completed.

Laboratory Findings.

A. Date of admission:

Jan. 21, 1937: Blood Wassermann: 4 4 4.....Kahn: 4 4 4

... .. 193.: Spinal: 4 3 2.....

Langes: 4 4 2 2 1 0 0 0 0

Globulin: Faint increase

Cell Count: 2.....

AUSTIN STATE HOSPITAL ..... M. D. July 30, 1937.

Insulin-Therapy series treatments by Dr. Donato Pérez García.

Beginning: July 30, 1937.

Number of treatments administered: 9

Insulin total amount: 129 units.

Total of Chemicals given: 3.00 gms. Neo.

0.15 gms. Mercury.

0.09 gms. Bismuth.

6.00 gms. Calcium.

1.50 gms. Iodid.

Time of Treatment: 51 days.

RESULTS: Spinal: Wassermann 0 0 0 0 0 0

Coloidal Gold: 0 0 0 0 0 0 0 0 0 0

Globulin: Negative.

Cell Count: 2

G. M. Graham, M. D.

Northwood Bldg.

Austin, Tex.

Austin, Texas, Sept. 21, 1937.

AUSTIN STATE HOSPITAL.

Dr. Donato Pérez García.

Case No. 16329.... (Georgi, H. P.)

Age: 57. Male  
Female

Diagnosis: General Paralysis of the Insane.

Treatment Received:

Malaria... 5-10-37.....  
Relapsing Fever.....  
Diathermy.....  
Chemicals (Tryp. 6 doses Bis. 8 doses. -- Neo. 2 dos).....completed.



Laboratory Findings.

A. Date of admission:

April.... 1...., 1937. Blood Wassermann : 4+ 4+ 4+..... Kahn: 4+ 4+ 4+  
....., 1937. Spinal : 4+ 4+ 4+  
Langes : 5 5 5 5 5 5 5 5  
Globulin : Moderate increase  
Cell Count : 112

B. Date of last report:

June.... 17...., 1937. Blood Wassermann : 0 0 0..... Kahn: 4+ 4+ 4+  
....., 1937. Spinal : 4+ 4+ 4+  
Langes : 5 5 5 5 5 5 5 3  
Globulin : Faint increase  
Cell count : 4

AUSTIN STATE HOSPITAL.- .....M.D. July.. 30, 1937.

Insulin-therapy series treatments by Dr. Donato Pérez García.

Beginning: July..... 30...., 1937.

Number of treatments administered: ...9....

Insulin total amount: ...129... units

Total of Chemicals given: ..2.70... gms. Neo.  
..0.14... gms. Mercury.  
..0.91... gms. Bismuth.  
..6.00... gms. Calcium.  
..1.50... gms. Iodid.

Time of Treatment : ...57..... days.

RESULTS: Spinal : Wassermann 4 4 4 4 4  
Colloidal Gold : 5 5 5 4 2 0 0 0 0 0  
Globulin : Positive  
Cell Count : 2

G. M. Graham, M. D. G. M. Graham, M.

Clinical Test : .....

Austin, Texas, Sept. 24, 1937.  
AUSTIN STATE HOSPITAL

*Dr. Fin Cis*

# Mayberry

Case No. 16510

(C. M)

Age 33

Female

**Diagnosis:** General Paralysis of the Insane

**Treatment Received:**

Malaria .....  
 Relapsing Fever .....  
 Diathermy .....  
 Chemicals (Tryp .... Bis Mer Neo.) .....completed.

## Laboratory Findings.

**A. Date of admission:**

August ... 1937 Blood Wassermann: ..... Kahn: 4 4 4  
 ..... 193.. Spinal: 4 4 4  
 Langes: 5 5 5 5 4 4 3 3 2 1  
 Globulin: Moderate increase  
 Cell Count: 12

**B. Date of last report:**

..... .. 193.. Blood Wasserman: .....  
 ..... .. 193.. Spinal: .....  
 Langes: .....  
 Globulin: .....  
 Cell Count: .....

AUSTIN STATE HOSPITAL ..... M. D. ....193..

**Insulin-therapy series treatments by Dr. Donato Pérez García.**

Beginning: August 23 1937.

Number of treatments administered: 5

Insulin total amount: ..... 68

Total of Chemicals given: ..... 1.80 Neo.

0.095 Mercury.

0.05 Bismuth.

2.00 Calcium.

1.50 Iodid.

Time of Treatment: 25 days.

## RESULTS:

Spinal: Wasserman 4 4 3 0 0  
 Colloidal Gold: 5 5 5 5 5 4 0 0 0 0 0  
 Globulin: Positive  
 Cell Count: 3

G. M. Graham, M. D. (Rúbrica)

Northwood Bldg.

Austin, Tex.

Austin, Texas, Sept. 16 1937

AUSTIN STATE HOSPITAL

Dr. Donato Pérez García

(Rúbrica)

(Ver Gráfica)

# Walker

Case No. 16346 (W. W.) Age: 36 Male

Diagnosis: General Paralysis of the Insane.

Treatment Received:

Malaria .....  
 Relapsing Fever .....  
 Diathermy .....  
 Chemicals (Tryp. Bis. Mer. Neo. ) Not completed.

## Laboratory Findings

A. Date of admission:

March 11, 1937 Blood Wassermann: 4 4 4 Kahn 4 3 3  
 ..... 193.. Spinal: 4 4 4  
 Langes: 4 4 3 2 1 0 0 0 0  
 Globulin: Small increase  
 Cell Count: 4

B. Date of last report:

.... 193..:  
 .... 193..: Blood Wassermann: ..... Kahn: .....  
 Spinal: .....  
 Langes: .....  
 Globulin: .....  
 Cell Count: .....

AUSTIN STATE HOSPITAL ..... M. D. July 30, 1937

Insulin-therapy series treatments by Dr. Donato Pérez García.

Beginning: July 30, 1937.

Number of treatments administered: 9  
 Insulin total amount: 134 units  
 Total of Chemicals given: 2.50 gms. Neo.  
 0.14 gms. Mercury.  
 0.09 gms. Bismuth.  
 6.00 gms. Calcium.  
 1.50 gms. Iodid.

Time of Treatment: 49 days.  
 Spinal: Wassermann 0 0 0 0 0 0

## RESULTS:

Colloidal Gold: 5 5 4 3 1 0 0 0 0 0  
 Globulin: Positive (?) (Spec. possibly dirty)  
 Cell Count: 9 (?) (Spec. poss. dirty).

G. M. Graham, M. D. (Rúbrica)

Clinical Test: .....  
 .....

Austin, Texas, Sept. 16, 1937  
 AUSTIN STATE HOSPITAL  
 Dr. Donato Pérez García (Rúbrica)



# Washington

Case No. 14301 ( W. G. P.) Age: 41 Male.

Diagnosis: General Paralysis of the Insane.

Treatment Received:

Malaria 4 3 35 .....

Relapsing Fever .....

Diathermy .....

Chemicals (Tryp. 56 doses 198 gs. Bis. 269 doses Mer. 179 doses Neo. 3.6 gs.) comp.

Laboratory Findings.

A. Date of admission:

Sept. 28, 1931: Blood Wassermann: 3 3 3 Kahn: 2 2 2

Oct. 3, 1931: Spinal: 4 4 4

Langes: 5 5 5 5 5 4 3 2 1 0.

Globulin: Moderate increase

Cell Count: 4

B. Date of last report:

June 3 1937:

193.: Blood Wassermann: 4 4 4 Kahn: 0 0 0

Spinal: 4 4 1

Langes: 2 2 2 1 1 1 1 0 0

Globulin: Faint increase

Cell Count 8

AUSTIN STATE HOSPITAL

..... M. D. July 30, 1937.

Insulin-therapy series treatments by Dr. Donato Pérez García,

Beginning: July 30, 1937.

Number of treatments administered: 9

Insulin total amount: 142 units

Total of Chemicals given: 2.90 gms. Neo.

0.15 gms. Mercury.

0.09 gms. Bismuth.

6.00 gms. Calcium.

1.50 gms. Iodid.

Time of treatment: 51 days.

RESULTS:

Spinal: Wassermann Weatly positive 4 2 0 0 0

Colloidal Gold: 0 0 0 0 0 0 0 0 0 0

Globulin: Negative

Cell Count: 1

G. M. Graham, M. D. (Rúbrica)

Clinical Test: .....

AUSTIN STATE HOSPITAL

Austin, Texas, Sept. 21 1937

Dr. Donato Pérez García (Rúbrica)