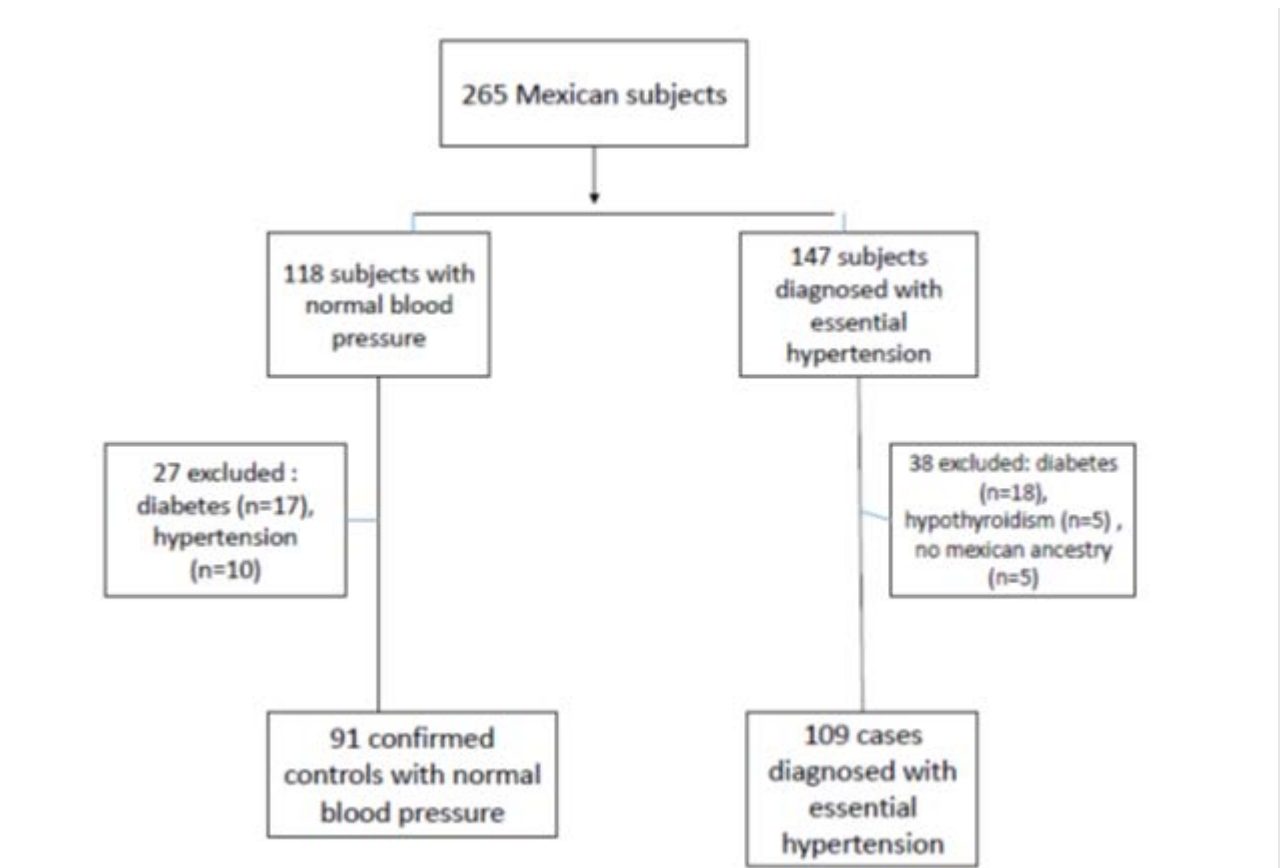


## Participant flow



## Baseline characteristics

PARAMETERS	NORMOTENSIVE	HYPERTENSIVE	<i>p</i>
<b><i>Anthropometric</i></b>			
Age (years)	46.0±11.35	50.36±11.57	0.007
Weight (kg)	71.44±14.30	75.21±12.71	0.056
Height (cm)	161.99±9.81	159.39±9.06	0.057
BMI (Kg/m <sup>2</sup> )	26.92±4.06	29.36±3.77	<0.001
SBP (mmHg)	110.23±9.07	142.78±10.82	<0.001
DBP (mmHg)	69.90±75.85	91.94±7.72	<0.001
<b><i>Clinical</i></b>			
IMT. MEAN (mm)	0.587±0.16	0.729±0.16	0.002
IMT.MAX (mm)	0.606±0.18	0.787±0.16	0.008
<b><i>Biochemical</i></b>			
Total cholesterol (mg/dl)	197.32±40.41	198.91±37.42	0.772
Triglycerides (mg/dl)	166.56±94.45	192.95±98.43	0.001
Log TG	2.16±0.22	2.23±0.19	0.010
HDL-C (mg/dl)	52.51±13.25	46.66±13.59	0.002
LDL-C (mg/dl)	117.02±33.20	122.23±31.74	0.258
LDL/HDL	2.36±0.84	2.76±0.91	0.001
Non HDL-C	144.80±41.28	152.67±36.54	0.154
CT/HDL	3.96±1.20	4.50±1.26	0.003
TG/HDL	3.62±2.73	4.65±3.21	0.017
Glucose (mg/dl)	89.36±7.78	89.18±8.91	0.877
C Reactive Protein (mg/L)	2.37±2.06	3.87±2.85	0.011
Smoking	1.83±0.38	1.67±0.51	0.491

Data are expressed as mean ± SD. BMI: body mass index; SBP: Systolic blood pressure; DBP: Diastolic blood pressure; IMT. MEAN: mean intima-media thickness; IMT. MAX: maximal Intima-media thickness; HDL: High density lipoprotein cholesterol; LDL: Low density lipoprotein; HDL-C: High density lipoprotein cholesterol. LDL-C: Low density lipoprotein cholesterol.

## Outcome measures

Levels of expression mRNA and protein of LRP1, IMT and AngII and divided by gender

	NT	HT	p	NT Women	NT Men	p	HT Women	HT Men	p
LRP1 (protein)*	6.25	17.83	0.001	6.53	5.97	0.826	19.16	16.50	0.579
LRP1 (mRNA)*	2.87	6.54	0.002	3.05	2.55	0.480	8.10	3.63	<b>0.044</b>
IMT (mm)	0.568 ± 0.16	0.715 ± 0.16	0.002	0.553 ± 0.149	0.583 ± 0.178	0.303	0.692 ± 0.14	0.719 ± 0.19	0.643
Ang II (pmol/ml)	0.195 ± 0.09	0.226 ± 0.12	0.046	0.200 ± 0.090	0.186 ± 0.090	0.468	0.220 ± 0.11	0.238 ± 0.14	0.482

NT: Normotensive; HTA: Hypertensive; IMT: mean intima-media thickness, Ang II: Angiotensin II.

\* normalized values

## **Adverse events**

There were no adverse events associated with this trial