infammation, the mat potont cause of esthms, is also more cimmon among the formacr, who are for more exponod to cold, vicissitndes of weather, dunop, and the like, and have bronchitis more fro quently. Salter maintaina that this is the only reason of asthma predominating among mes; anal that asthma of nervous origin is, like byt taris, chorea, and other discrses of exalted ner vous sensibility, more common among women.

As regarda ago, no period of life in free from attacks of asthana. It is quite as moch a disease of childhood as old age. We find it coming on in a large number of cases in middle life, and in a much smaller one, above fifty. The bronchial sttacks of childhood cause the percentage to be the higheat during the period of their greatent prevalcace.

## THE MEDICAL VALUE OF ARTERLAL

 PRESSUREBy Fidward De Moraan, District Surgeon, Quemitown, Africa
The following deductions were made by me some years ago when experimenting with the biliyg goograph. As I have found their practical aplication in diseuses of the chest so valuable, I foel myself no longer justified in withholding thern from the criticism of the profession.

Let us assume that pressure be applied to both axillary and femoral arteriea; then, ronghly speaking, about half the blood in the systemio or greater circulation is withheld. The remainder returas to fill the left ventricle of the beart, which either contracts upon half its normel amount of blood or delaye its contraction until sufficient blood has returned from the unobstructed veasels to distend it to its normal contracting volume If the latter of chese two elternatives were the case the pulse would bo diminished in frequency and its fulness greatly increased. It may at once bo escertained, by pressure on a fumoral'artery, that there is no alteration in froquency, and the aphygmograph showa that there is no increased tension in the radial pulse when the femorals are compressed. Hence it follows that the left ventricle contracts upon half ita nommal quantity of blood, and that the right ventricle contracts apon half its normal amount of blood, and that, the ares of the pulmonary or lebser circulation being undiminishod, the pulmonary artery contains but half its normal amount of blood; and thus it follows that the blood speeds through it less rapidly, and pressure within its walls is greatly diminished.

I determined to apply this theory in three different sets of caces.
i. (a) Hsemoptysin in consunptive cases ; (b) hamorrhage from wound of lung.
2. On the supposition that drmming back venous blixi from the lungs would diminish the necessity of oxygenation; (a) spasmodic asthma ; (b) emphyaematous and cardiac dyepncea
3. As a direct dry erpping of the lung in inSammatory diseases.

Of Class I I have had but little experience We have but little hsemoptysis in South Africs. In the case of a Kaffir with a bullet-wound of the left Jang, pneumothorax and bwoothorax pro-
sent in a greal degree, axillery pressure gave immodiate relief to the dyypnece.

Of Clams 2 I have applied preasure in five cascs and afforded immedinto relicef to dyspncen in all
3Xibs S-mas epasmodio astima every month She came to my consulting-room in great distress I applied my thombs to both axillary arteries, and sho axpreased herself immediatcily relieved. Pressure was continued for about five minutes Upon removing it the dyapncea did not return for about ten minutce, when pressure was egain applied, and abo left with her breathing nearly netural, the dyspnces this time not returning for soms hours Har friends by my directions compressed her artcrics, each time aflording her relief. She states that this was the severest, but shortest attack ahe has had, and that less bronchitis Flas left than usual.
W. S-_, an old missionary, aged seventy-six, has been failing since I first saw him one year aga IIas chronic bronchitis, empbysema, and dilatation of the right ventricle, besidea other complications. Ons evening in Aray last. I was summoned to him in hasto, as his friends feared he was dying I found him sitting up in bed; orthopnces extreme; face livid; hands plucking at the bedclothes; cough incessant. He had had every door and window thrown open, and permitled no ons to stand at his bedside. He just managed to gresp out that "I was too late thin time." I appliod my fingers to his axillaries alone, and in less than two minutes he was thenking me in his old manner, and inquiring into the modus operardi of the means I had used. The prossure was removed after ton minutes, but the dyspacer did not roturn. He began to cough up mucous more frealy, and in a quarter of an hour fell asleep. On subsequent occasions, if pressure was remioved too soon, he would start up and cry out that "It was coming back," but was agcin tranquil apon its reapplication

The sequal of this case is interasting, sa bearing upon this treatment. The following morning, whilst Mr. 8-_was turning in bed, he fraotured a rib on the left áde. I was sent for, and found him in great agonj. the crepitation being audible to those around on each laboured inspiretion, Strapping and mabcutaneous injection of morphia nalieved him.

The following evening I was again sent for, this time to find him in a state of extreme car disc apnoer; face deadly pale; pulso rapid and exceedingly compreasible; respiration rapid; air ontering freely into all parts of the lungs. Complained of a death-like feeling over prescordial region. Axillary pressare gave scarcely any rolief In fear and trembling, and feeling my way with emall doses, I gave morphia, and thin relieved the dyspncea and procured sleep.
Subsequent experience in this patient's case, which ended fatally a few days after, carainced me that cardiac dyspnces wras not to be relieved in nearly the same degree as that of pulmonary origin, but in the latter relief was immediate and anfailing.
I will not cccupy space by onomerating other cases; suffice it to may that mine, slthough fori, have all been moat nrequivocal. And although

I cannot imagino but that the principle and yrao tice have been recognized before, jet, as I have never hitherto met medical man to whom the effect of arterial stoppage upon the circulation has not been a novelty, I earnestly beg the profession to adept it to treatment, and trust all may give the same reliaf to suffering that I have boan enablad to da.

With respect to Class 3, where thore is active inflammation of lung tiasue, I cannot, from wrant of experience, speak with conviction. I think that gentle pressure of the femorals (it need not be complete) might be serviceabio in the iotractsble cetarrhs at the apex of the lung in phthinical people. I cas apeal from personal experience of the relief that pressure on one or both femorals gives to those irritating soughs that destroy the rest of those with consumptive discase It might be well to remind experimentars that pneumonin predisposes to the formation of a pulmonsry clot, and that it might be dangerous to alacken the pulmonary current in that disease.
Stoppage of epistaxis by elevating the arms may be due to the same cause by comprossing tho axillary arteries This would act, I imagine, by faciliteting the return of blood through the superior vena cava If 80, difital compression would be better. This is rendered probable by the sarest of lemoptysis by tying up the arms of consumptivers My friend, Dr. Grabham, of Madoira, whose experience is large, told me that he oflon treated haemoptysis in this way with success

Lest I ahould override my hobby, 1 'will only suggest the probability of lowened temperature in lungs whoes bloodstruam is nuch diminished, and the possibility of infammation resulting, es after great amputations.

## SURGERT.

## SCROFULOUS DISEASE OF THR ANKHE*

 JOINT.From a Clinical Lecture by Profeasor Pancoast. Reportod by FRank Woodbuny, M.D.
This little girl has inberited discase, and illuotrates the infuence of a constitutionsl taint upon the physical development. The liferprings are poisoned at their source, the vital functions parformed imperfectly and irregularly, nutrition vitiated, and the whole organism enfeebled. The little subject is thus rendered more susceptible to disesse and less able to resist its ravages Two years of age, her frame is emacisted, the akin is sallow and shows a tendenoy to eruption, and sho has chronic conjunctivitis, She bas not the light hair that frequently accompanies these symptoms, Wbich, for convenience, are gronped under the general term of strumous; but this is the case in - large proportion of scrofulous subjects Ia France, where scrofuia abounde there is comparatively little light hair; and the negro race, as wo know, is quite subject to it. Exporienco haw shown that of the two clases of strumous wuhjects the brunette is more liable to phthisis pulmonalis than is the blonde, Tho suffers more from bone and joint affections and diseases of the skin.

About four. months ago the child's foot was bruised, and this injury has eventuated in chroInic disease of the ankle joint The inflammation.

