

ANALYSES OF THE CALCULI IN THE "WOOD" MUSEUM OF BELLEVUE HOSPITAL.

BY A. BOURGOGON.

In 1867 the late Dr. Jas. R. Wood deeded to the City of New York a most complete and valuable collection of anatomical specimens. Among other curiosities there were many calculi. Some of these deserve particular attention, from the fact that they have been removed by Dr. Wood; others because of their size or composition.

A classification of the specimens could not be made unless analysis had determined their composition, and with this view they were submitted to chemical tests.

As chemists, especially those interested in physiological chemistry, may not be aware of the existence of this Museum, the results of the analyses are submitted in a condensed form. The numbers attached to each specimen indicate those of the catalogue of the Museum.

970. Stone removed by Dr. J. R. Wood at his clinic at Bellevue Hospital, Jan. 10th, 1880. Several pieces, 13 grammes. A nucleus of wax and dried blood surrounded by layers of phosphate of ammonium and magnesium.
971. Weight, 70 grammes. Calcium oxalate, urate and phosphate.
972. 5 stones; weight, 94 grammes. Ammonio-magnesium phosphate, calcium urate.
973. Weight, 58.5 grammes. A nucleus of uric acid, ammonium urate, calcium urate and silica, surrounded by calcium phosphate and amm. magn. phosphate.
974. Weight, 63 grammes. Calcium urate, oxalate and phosphate.
975. Weight, 48 grammes. Calcium oxalate and urate.
976. Weight, 26.5 grammes. Calcium oxalate and phosphate.
977. Weight, 49.5 grammes. Mulberry calculus, well formed. Calcium oxalate and urate. The nucleus contains ammonium urate.
978. Weight, 34.5 grammes. Removed from a colored man at Bellevue Hospital. Uric acid, amm. magnesium phosphate, ammonium urate, calcium oxalate.

979. Weight 9 grms. A nucleus formed by a candle or lamp wick. Surrounded by uric acid, calcium urate and phosphate.
980. Weight 15 grms. Uric acid, calcium oxalate and urate.
981. Weight 11.5 grms. Mulberry calculus, calcium oxalate.
982. Weight 15 grms. Cholesterin (biliary.)
983. Weight 15 grms. Calcium oxalate, calcium phosphate.
984. Weight 22 grms. The patient was over 70 years of age. Amm. magnesium phosphate.
985. Weight 25.5 grms. Removed by Dr. J. R. Wood. Calcium oxalate and urate.
986. Weight 26 grms. Removed from a boy 13 years old, by Dr. J. R. Wood, Saturday, Nov. 3d, 1877, at Bellevue Hospital. Uric acid, calcium urate and oxalate.
987. Weight 29.5 grms. Only one-half of the calculus. Uric acid, calcium urate, and phosphate and silica.
988. Weight 21 grms. Removed Dec. 13th, 1877. The patient was 70 years old. Calcium phosphate.
989. Weight 36 grms. A nucleus of ammonium urate, surrounded by calcium phosphate, amm. magnesium phosphate.
990. Weight 8 grms. 6 stones removed from a boy 6 years old. Calcium phosphate and urate.
991. Weight 12 grms. Calcium oxalate.
992. Weight 6 grms. 7 stones removed from a boy 12 years old. Calcium phosphate and amm. magn. phosphate.
993. Several small pieces. Patient 22 years old. Calcium urate and oxalate.
994. Calcium urate and oxalate.
995. Uric acid, amm. magn. phosphate.
996. Weight 25 grms. Dried blood and calcium phosphate.
997. Weight 20 grms. Removed Nov. 15th, 1868. Patient 20 years old. Uric acid, calcium urate, amm. magn. phosphate.
998. Weight 20 grms. Removed Dec. 16, 1872. Uric acid, amm. magn. phosphate.
999. Weight 32 grms. Removed May 14, 1874. The patient was 64 years old. Amm. magn. phosphate.
1000. Weight 31 grms. Calcium urate and phosphate, and amm. magn. phosphate.
1001. Calcium oxalate and urate.

1002. Weight 20 grms. Patient 40 years old. Calcium phosphate and oxalate.
1003. Amm. magn. phosphate.
1004. Uric acid, amm. magn. phosphate, and calcium phosphate.
1005. Uric acid and amm. magn. phosphate.
1006. Uric acid, calcium urate and phosphate and silica.
1007. Amm. magn. phosphate calcium oxalate and phosphate.
1008. Amm. magn. phosphate and calcium phosphate.
1009. Calcium oxalate and phosphate.
1010. This is not a calculus, it is a water-worn stone, a kind of silix, which ought to be removed from the collection.
1011. Amm. magn. phosphate and calcium phosphate.
1012. Uric acid and calcium oxalate.
1013. Uric acid.
1014. Amm. magn. phosphate, calcium urate, and uric acid.
1015. Uric acid, amm. magn. phosphate.
1016. Calcium urate, amm. magn. phosphate.
1017. Calcium urate and phosphate.
1018. Uric acid, calcium oxalate, amm. magn. phosphate.
1019. Calcium oxalate.
1020. Calcium oxalate and phosphate, and amm. and magn. phosphate.
1021. Calcium urate, phosphate, and amm., magn. phosphate.
1022. Calcium urate and amm. magn. phosphate.
1023. Two calculi, amm. magn. phosphate and calcium phosphate.
1024. Removed Dec. 13, 1870, at Bellevue Hospital. Calcium oxalate, amm. magn. phosphate.
1025. Removed from a child 2 years and 9 months old, by Dr. J. Wood. Uric acid and amm. magn. phosphate.
1026. Uric acid, calcium urate and silica.
1027. Uric acid, calcium phosphate.
1028. Calcium urate, amm. magn. phosphate.
1029. Amm. magn. phosphate, calcium phosphate and calcium urate.
1030. Calcium urate, amm. magn. phosphate.
1031. Uric acid.
1032. Amm. magn. phosphate, calcium oxalate.
1033. Amm. magn. phosphate.
1034. Removed Nov. 2d, 1872, by Dr. J. R. Wood, from a child 6 years old, at Bellevue Hospital. Calcium oxalate.
1035. Calcium oxalate.
1036. Two calculi, amm. magn. phosphate.
1037. Calcium oxalate, amm. magn. phosphate, calcium phosphate.

1038. Several small pieces removed from the bladder by lithotrity.
Uric acid, ammonium urate, amm. magn. phosphate.
1039. Several small pieces uric acid, amm. magn. phosphate.
1040. Uric acid.
1041. Cholesterin.
1042. Several pieces weighing 18 grms., removed by Dr. Ch. Phelps, May 9th, 1877, from a man 66 years old. Amm. magn. phosphate, calcium phosphate.
1043. Nucleus of a calculus removed by Dr. Ch. Phelps Nov. 30th, 1877. A pin surrounded by dried blood, uric acid and calcium phosphate.
1044. Several pieces calcium oxalate and phosphate.
1045. Renal calculus. Uric acid, amm. magn. phosphate.
1046. Renal calculus. Amm. magn. phosphates. Among the pieces of this calculus are three stones of cholesterin; they are here evidently by mistake.
1052. Debris from operation by lithotrity; patient 40 years old. Amm. magn. phosphate, calcium phosphate.
1056. Vesical calculus of horse, only one-half, weight 180 grms. Calcium carbonate (nucleus), amm, magn. phosphate.
- Intestinal calculus of horse, of a spherical form, weighing 390 grms. (no number in the collection) has the following composition:**
- | | | |
|---------------------------|--------|-----------|
| Organic matter..... | 6.13 | per cent. |
| Silica | 0.24 | “ |
| Amm. magn. phosphate..... | 86.24 | “ |
| Calcium carbonate..... | 2.03 | ‘ |
| Magnesium..... | 5.25 | “ |
| | 100.00 | |
- Before the analysis was made the powder of the calculus was dried at 100°C.
1057. Weight 25 grms. Cholesterin. Removed from (?) vagina of a woman 30 years old.