## **Appendix:**



**Appendix1:** image of 22 years female show normal measurement gallbladder volume in two planes (longitudinal and transverse)



**Appendix2:** image of 40 years male show normal measurement gallbladder volume in two planes (longitudinal and transverse)



**Appendix 3:** image of 32 years female show normal measuring of gallbladder volume (20 cm3)



**Appendix 4:** image of 328 years male show normal measuring of gallbladder volume (19.7 cm3)



**Appendix 5 :** image of 53 years female show caliber measuring in two planes (longitoneal and transverse)



**Appendix 7:** image of 19 years male show caliber measuring in two planes (longitoneal and transverse)



**Appendix 8:** image of 24 years female show normal measuring of gallbladder volume in two planes (19.4cm)



**Appendix 9:** image of 35 years male show normal measuring of gallbladder volume in two planes (17.2cm)